

TWENTY-THIRD ANNUAL REPORT

OF THE

BOARD OF DIRECTORS

OF

CITY TRUSTS

OF THE

CITY OF PHILADELPHIA

FOR THE YEAR 1892.

PHILADELPHIA:

PRINTED BY J. B. LIPPINCOTT COMPANY.

1893.

BOARD OF DIRECTORS
OF
CITY TRUSTS
1893.

LOUIS WAGNER, *President*,
Broad and Market Streets (Third Nat'l Bank).

JAMES CAMPBELL, *Vice-President*,
215 South Sixth Street.
(Died January 27, 1893.)

ALEXANDER BIDDLE,
1307 Walnut Street.

EDWARD S. BUCKLEY,
209 South Third Street.

JOSEPH L. CAVEN,
712 Walnut Street.

BENJAMIN B. COMEGYS,
421 Chestnut Street (Philad'a Nat'l Bank).

JOHN H. CONVERSE,
500 North Broad Street.

JOHN K. CUMING,
Broad and Columbia Ave. (Tenth Nat'l Bank).

WILLIAM L. ELKINS,
423 Walnut Street.

WILLIAM B. MANN,
S. E. cor. Sixth and Chestnut Sts.

JOHN H. MICHENER,
956 North Front Street.

RICHARD VAUX,
520 Walnut Street.

MEMBERS OF THE BOARD, "EX-OFFICIO."

EDWIN S. STUART, *Mayer*, Office, Broad and Market Streets.

JAMES R. GATES, *Pres't Select Council*, Manheim and Green Streets, Gt'n.

WENCEL HARTMAN, *Pres't Common Council*, 125 South Seventh Street.

F. CARROLL BREWSTER, *Solicitor*, 214 W. Washington Square.

FRANK M. HIGHLEY, *Secretary*, 19 South Twelfth Street.

JOHN S. BOYD, *Supt. Admission and Indentures*, 19 South Twelfth Street.

OFFICE.—19 South Twelfth Street, Philadelphia.

COMMITTEES, 1893.

Committee on Household and Infirmary of Girard College.

JOHN H. MICHENER, *Chairman.*

WILLIAM B. MANN,
BENJAMIN B. COMEGYS,
JOSEPH L. CAVEN,
RICHARD VAUX,

JOHN H. CONVERSE,
EDWARD S. BUCKLEY,
JOHN K. CUMING,
PRES'T SELECT COUNCIL.

Committee on Instruction and Library of Girard College.

JAMES CAMPBELL, *Chairman.*

WILLIAM B. MANN,
BENJAMIN B. COMEGYS,
JOSEPH L. CAVEN,

WILLIAM L. ELKINS,
ALEXANDER BIDDLE,
THE MAYOR OF THE CITY.

Committee on Mechanical Instruction.

RICHARD VAUX, *Chairman.*

JOHN H. MICHENER,
JAMES CAMPBELL,
ALEXANDER BIDDLE,

JOHN H. CONVERSE,
JOHN K. CUMING,
PRES'T SELECT COUNCIL.

Committee on Admission, Discipline, and Discharge.

BENJAMIN B. COMEGYS, *Chairman.*

JOHN H. MICHENER,
JOSEPH L. CAVEN,
RICHARD VAUX,

ALEXANDER BIDDLE,
EDWARD S. BUCKLEY,
PRES'T COMMON COUNCIL.

Committee on Girard Estate within the City.

JOSEPH L. CAVEN, *Chairman.*

WILLIAM B. MANN,
BENJAMIN B. COMEGYS,
WILLIAM L. ELKINS,

RICHARD VAUX,
EDWARD S. BUCKLEY,
PRES'T SELECT COUNCIL.

Committee on Girard Estate without the City.

JOHN H. CONVERSE, *Chairman.*

JOHN H. MICHENER,
WILLIAM B. MANN,
JAMES CAMPBELL,

ALEXANDER BIDDLE,
JOHN K. CUMING,
PRES'T COMMON COUNCIL.

Committee on Minor Trusts.

WILLIAM B. MANN, *Chairman.*

JOSEPH L. CAVEN,
WILLIAM L. ELKINS,
ALEXANDER BIDDLE,

JOHN H. CONVERSE,
JOHN K. CUMING,
PRES'T COMMON COUNCIL.

Committee on Finance.

WILLIAM L. ELKINS, *Chairman.*

JOHN H. MICHENER,
JAMES CAMPBELL,
JOSEPH L. CAVEN,

RICHARD VAUX,
JOHN H. CONVERSE,
THE MAYOR OF THE CITY.

Executive Committee.

PRESIDENT OF THE BOARD AND CHAIRMEN OF ALL STANDING
COMMITTEES.

The President of the Board is Ex-Officio a Member of all Committees.

THE
TWENTY-THIRD ANNUAL REPORT
OF THE
BOARD OF DIRECTORS OF CITY TRUSTS.

*To the Legislature of the Commonwealth of Pennsylvania, the
Councils of the City of Philadelphia and the Board of Ap-
pointment, composed of the Judges of the Courts of Common
Pleas of the County of Philadelphia:*

GENTLEMEN:

IN compliance with the Act of Assembly entitled "A further supplement to an Act entitled 'An Act to Incorporate the City of Philadelphia,' approved the second day of February, one thousand eight hundred and fifty-four creating a Board called Directors of City Trusts"; approved June 13, 1869, the Board of Directors of City Trusts respectfully present this, the Twenty-third Annual Report of the several Trusts under their administration, for the year ending December 31, 1892.

Mr. William Heyward Drayton, a member of the Board since February 14, 1872, and its President since December 10, 1884, died on October 9, 1892.

For more than twenty years Mr. Drayton was active in the work entrusted to us, and whether serving as Chairman or a

a member of a Committee, as Vice-President or as President of the Board, he was always painstaking and conscientious in the discharge of his duties. The results of his labors will be felt, more especially in the Girard College and in the Wills Hospital, for many years to come.

At a special meeting of the Board held October 11, 1892, the following minute was unanimously adopted and ordered printed in this report:

"Mr. William Heyward Drayton was appointed a Director of City Trusts by the Honorable the Judges of the Courts, forming the Board of Appointment on the 14th day of February, 1872. He has therefore given his counsel and advice for the public good for twenty-one years, and during this time has served the City and the Board on all but one of the Committees to which the detail of its trust is delegated, with industry and attention.

"To him as Chairman of the Committee on Mechanical Instruction particularly belonged the cultivation of that branch of useful study. Selected by President Welsh for his especial fitness for that purpose, he gave years of persistent labor and careful thought to the subject of its introduction in the Girard College. At his instance, practical, personal and theoretical knowledge was obtained from the schools of Russia, Paris and Boston, and by means of public lectures the subject pressed upon the observation and thought of his associates and the community; his faithful and intelligent work was finally crowned by its introduction into the College in its present Mechanical Hall, which was first opened to the Girard College pupils about the time of his election to the Presidency of the Board in December, 1884.

"He had previously served for three years as Vice-President, each step of his career indicating the trust and confidence he inspired, but at last, full of good works, Providence has seen fit to exalt him above the works of earth.

"Of a lovable and affectionate disposition, capable of unfaltering decision, yet with a fairness which caused him to scrutinize his own convictions with all the light of reason he could gather from his colleagues; soothing every asperity with gentleness, calmly listening to opposition with the desire to extract the wisest course of action therefrom, he leaves to us an example of probity, industry, unfailing courtesy and firmness, qualities which elevate man to the noblest rank of life. We may add to this one feature more, a text for the living: a strict regard for truth in thought, word and deed.

'To thine own self be true,
And it must follow as the night the day,
Thou canst not then be false to any man.'

"We have drawn our friend as we found him; we grieve for his loss, but Providence has decreed that he shall labor and grieve no more."

At a Memorial Service held in the Chapel of Girard College on Tuesday evening, January 24, 1893, Col. Alexander Biddle, Mr. Drayton's life-long friend, and his predecessor as President of the Board, read an admirable Memorial Address submitted herewith as *Appendix A*.

Mr. William M. Smith, President of the Common Council of the City of Philadelphia, and *ex officio* a member of the Board since April 2, 1888, died on May 4, 1892. Notwithstanding the many public duties devolving upon Mr. Smith as the presiding officer of the popular branch of our City government, he gave much time and attention to the work of the Board, and his loss to us is a serious one.

Mr. John K. Cuming was appointed on December 5, 1892 as Mr. Drayton's successor, and Mr. Wencel Hartman became a member of the Board on May 12, 1892, by virtue of his election as President of the Common Council.

Of the 36 separate Trusts, valued at more than \$25,000,000, and with an annual income of more than \$1,300,000,—placed under our charge by the Act of Assembly referred to above, the Girard College, and the Estates left for its maintenance, continues as the most important.

The income from the Girard Estates during the year 1892 was larger than in any preceding year, with promise of a still greater increase during the current year.

A comparison with the year 1867, twenty-five years ago, may be of interest:

Year.	Real Estate within the City.	Real Estate without the City.	Interest, Dividends, etc.	Total.
1892	\$440,652.70	\$616,512.75	\$139,839.36	\$1,197,004.81
1867	232,257.93	93,273.23	10,537.64	336,068.80
Increase,	\$208,394.77	\$523,239.52	\$129,301.72	\$860,936.01

The net income from all sources in 1892 was \$949,489.93

In 1867 it was 238,392.83

An increase of \$711,097.10

With such a gratifying increase in the available means, there was a large increase in the number of boys supported at the College.

In 1867 there were 496

And in 1892 1570

The cost of maintenance per capita was

reduced from \$306.25 in 1867

to 295.36 in 1892,

notwithstanding the introduction of modern conveniences of all kinds and of additional studies, the most important of the latter being that in Mechanics, including instruction in free-hand and mechanical drawing, in working in wood

and in metals, and in the science of theoretical and applied Electrics.

The wisdom of Mr. Girard's direction, found in Paragraph 7 of Section 21 of his will, that he would have the orphans admitted into the College "taught facts and things rather than words or signs," becomes more apparent as the years pass. As if foreseeing the present condition of affairs, under which it is altogether impossible for a young man to be apprenticed to a trade, and almost impossible for him to be permitted to labor in a shop or a factory for the purpose of becoming proficient in the business pursued there, Mr. Girard endowed an institution where the objects of his bounty could be taught the fundamental principles of the more important trades, thereby giving them a start of incalculable benefit in the race of life.

As an evidence of the advantage of this instruction, the report of the Superintendent of Admission and Indentures (*Appendix E.*) shows that 43 per cent. of the boys who left the College in 1892 went to mechanical pursuits, an increase of 7 per cent. over the year 1891.

With an institution of such magnificent proportions, with a greater endowment than any other similar institution in this country, and with the growing importance of mechanical instruction pressing us on all sides, Girard College must be put into the place which its Founder evidently had in his mind when he desired that facts and things, rather than words or signs, be taught.

The report of the President of the College (*Appendix D.*) shows in detail the changes in the officers and teachers of the institution, the most important being the deaths of Professor Lemuel Stephens, Emeritus Professor of Chemistry, who died

on March 25, 1892, and of Miss Keturah Cole, Teacher of History, English Literature, and Composition, who died on April 5, 1892. Professor Stephens and Miss Cole had served the College faithfully and well for many years, and they will be missed by all who had the advantage of their tuition.

Professor Henry D. Gregory, LL.D., Vice-President of the College since January 24, 1883, admonished by increasing years, resigned his office on November 11, 1892. Dr. Gregory filled this difficult position with credit, and to the satisfaction of the Board, and his resignation was accepted with regret.

Professor Winthrop D. Sheldon, A.M., a teacher of long experience, has been selected to fill the vacancy.

In measuring the results of the work of Girard College, we must not overlook the important fact that under the provisions of Mr. Girard's will, children as young as six years of age and not older than ten years can be admitted into the College, and that none can remain in the institution after reaching the age of eighteen years; in other words, though named a "College," and endowed more amply than most colleges, its students enter too young to pursue collegiate studies, and they graduate at an age when, under other conditions, they would enter college.

Under these circumstances they can receive only what the will directs, "a sound education," fitting them for the immediate work on which they, as "poor, white male orphans," must enter.

The population of the College during the year 1892 was as follows:

Number of pupils, January 1, 1892	1586
Admitted during the year . . .	124
	<hr/> 1710

During the year there were—

College indentures cancelled to permit boys to accept employment	131
Indentured as apprentice	1
Discharged at 18 years of age, when, under the terms of the will, a boy must leave the College	5
Died	8
Expelled	6
	<hr/> 151
Number of pupils, December 31, 1892	1559
Officers and teachers	114
Employés of all kinds	268
	<hr/>
Total	1941

The health of the College has been good, notwithstanding the general prevalence of children's diseases throughout the city.

The buildings of the College have been kept in their usual good condition; many of them have been repainted inside and out, and some of the roadways have been repaved.

The tower of the Chapel is being rebuilt to a greater height, and a large clock will be placed in it when it is completed. Telegraph connection has been made with the Observatory at Washington to secure correct time.

The heretofore insufficient supply of water has been made ample by a direct connection with the City Reservoir at Twenty-fifth and Thompson Streets.

The Library of the College needing more space for books, it was deemed advisable to add to the room in the Main Building heretofore occupied as a Library, the room adjoining

on the west formerly occupied for Chapel purposes, and also to place in this room the books, papers and other property of Mr. Girard, which he directed to be carefully preserved. These alterations and additions are of great benefit to the Library, and they also establish a handsome room in which properly to preserve many interesting memorials of the Founder of the College.

Admissions of pupils into the College are made strictly in accordance with the provisions of Mr. Girard's will, in the order of the applications, giving preference only

- 1st. to those born in the old City of Philadelphia,
- 2d. to those born in any other part of Pennsylvania,
- 3d. to those born in the City of New York, and
- lastly, to those born in the City of New Orleans.

The number of applications registered on January 24, 1893, was as follows :

Old City	3
Other portions of Philadelphia	250
Other portions of Pennsylvania	233
	<hr/> 483
Other States	17
	<hr/> 503

It takes about two years from date of registry before those not born in the old City are reached for admission, and many of the boys now registered will become ten years of age before their turn for admission is reached, when their names will be stricken from the list of applicants.

The following table shows the number of applications for admission into Girard College registered on January 24, 1893 and the number of boys in the College on January 1, 1893, from the different Counties in the State of Pennsylvania.

County.	On the list of applicants.	In the College.	County.	On the list of applicants.	In the College.
Adams.....	2	1	Luzerne.....	11	29
Allegheny.....	1	1	Lycoming.....	4	8
Bedford.....	1	1	McKean.....	1	...
Berks.....	13	26	Mercer.....	...	2
Blair.....	5	5	Monroe.....	3	1
Bradford.....	4	4	Montgomery..	32	46
Bucks.....	7	21	Northampton ..	3	13
Butler.....	...	1	Northumberland ...	10	12
Cambria.....	...	2	Schuylkill.....	40	84
Cameron.....	...	4	Somerset.....	2	...
Carbon.....	4	9	Sullivan.....	...	3
Centre.....	2	5	Susquehanna.....	1	1
Chester.....	11	34	Tioga.....	1	1
Clarion.....	...	4	Union.....	2	...
Clearfield .....	...	5	Warren.....	1	...
Clinton.....	8	7	Wayne.....	1	4
Columbia.....	9	10	Wyoming.....	2	2
Crawford.....	2	4	York.....	2	3
Cumberland.....	2	7		<hr/>	<hr/>
Dauphin.....	6	18		233	479
Delaware.....	6	30			
Elk.....	1	1	Philadelphia (out-		
Erie.....	...	1	side of Old City)	250	891
Fayette.....	2	...	Old City of Phila-		
Fulton.....	...	2	delphia.....	3	189
Huntingdon.....	2	2		<hr/>	<hr/>
Indiana.....	...	1		486	1559
Jefferson.....	3	2			
Juniata.....	...	1	Outside of the		
Lackawanna.....	9	3	State of Penna.	17	
Lancaster.....	7	34		<hr/>	<hr/>
Lebanon.....	3	3		503	1559
Lehigh.....	7	21		<hr/>	<hr/>

The list of applicants awaiting admission is steadily growing larger, and, as the increasing income of the Estate appears to justify an increase in the number of pupils, the Committee on Household is considering the expediency of erecting additional buildings for their accommodation.

The property left for the maintenance of Girard College is classified as the

GIRARD ESTATE WITHIN THE CITY,
which embraces all the real and personal estate located within the City of Philadelphia, and the

GIRARD ESTATE WITHOUT THE CITY,
which embraces the real estate, coal, timber, and farm lands, situate in Schuylkill and Columbia Counties. All the other lands which Mr. Girard owned at the time of his death have been sold, as directed by his will.

The report of the Superintendent of the Girard Estates (*Appendix B.*) and the report of the Engineer of the Girard Estate, residing in Pottsville, Pa. (*Appendix C.*) give in detail the operations of the past year.

The general management of the Estate by the Executive Officers, under the supervision of the several Committees of the Board, is of such a character that the annual results show a steady increase of income with a decrease of percentage of expenditure.

The net income from the rents of the ESTATE WITHIN THE CITY upon the assessed valuation was, in

1886	5 $\frac{48}{100}$ per cent.
and in 1892	6 $\frac{33}{100}$ " "

Three-fourths of the net receipts from royalties on coal mined is credited to Capital Account, and as such permanently invested.

These receipts increase so rapidly that it is difficult to find legal investments for them. National, State, and Municipal Loans can be purchased only at figures so greatly in excess of their par value that they are no longer profitable for investment, and desirable mortgages are not readily obtained.

Because of these facts, and also for the purpose of developing the 525 acres of unproductive farm lands of the Estate

situate in the southern part of the city, over \$40,000 was expended last year in enlarging the furniture factory heretofore erected at 23d and Ritner Streets.

The only vacant property of the Estate, other than farm lands, has been improved by the erection of eleven dwelling-houses at Twenty-fifth and Poplar Streets, at a total cost of \$50,000.

The improvement of these lands is important for the general development of the City as well as for the permanency of the support of the College.

The coal lands, now yielding so large and growing an income, will eventually be exhausted, and the sum received from them will be seriously reduced. It is true that this will not occur during the period of our administration, but, as the result is inevitable, it is wise to prepare for it.

Hence the investment of the larger part of this income, and much of it on the land which, in its present condition, does not produce sufficient revenue to pay the taxes levied upon it.

City streets, with the necessary sewers and gas and water mains, have reached our very fence lines, and to enable the Municipality to extend them more promptly into our lands, the Board has offered to loan it, without interest, the sum of \$250,000 with which to build a main sewer on Shunk Street, and on Passyunk Avenue to the river Schuylkill.

When this work is completed, streets can be opened and dwelling-houses and factories, for which occupants are even now waiting, can be built.

All the stores on Market Street between Eleventh and Twelfth Streets are now occupied by satisfactory tenants at profitable rentals.

The investment in Stocks and Loans is . . .	\$3,378,925.00
an increase over 1891 of . . .	524,950.00
The income from this source was . . .	139,839.36
an increase over 1891 of . . .	11,249.06

It is interesting to note that one of the annuitants under Mr. Girard's will still lives, and that the sum of \$300 was paid her last year.

The report of the Superintendent of the Girard Estate (*Appendix B.*) should be carefully read by those who desire to be informed in greater detail of the affairs of the Estate within the City of Philadelphia.

THE GIRARD ESTATE WITHOUT THE CITY continues the most profitable of Mr. Girard's properties.

He undoubtedly realized the value of the 18,233 acres of land which he bought, at practically nominal prices, for he began mining operations, and the building of a railroad for their development, as soon as he became the owner, but it is hardly probable that he anticipated such grand results from these investments.

A net income of \$550,000 in 1892,—a sum which will be largely increased for many years, and from which there will be no material decrease for twenty-five years at least,—assures the permanency of the College, with even a larger number of pupils than now, for all time.

So that, that which was least at the creation of this Trust, has become its main stay.

Shipments of coal from the Girard lands were first made in 1863, and amounted to	. . . . .	40,789 tons
and in 1892 the shipments were	. . . . .	1,495,376 "

In 1863, the receipts from the lands in Schuylkill and Columbia Counties were	. . . . .	\$4,245.87
and in 1892 . . . . .	. . . . .	616,512.75

The number of the collieries on the Estate is twelve, under eleven leases, all of them for fifteen years, and expiring in 1898 and 1899.

The William Penn Coal Company operates . . . 1 colliery,
 the Thomas Coal Company 1 "
 the Philadelphia and Reading Coal and Iron
 Company 5 collieries,
 the Lehigh Valley Coal Company 5 "

When these mines were first opened, the Estate advanced \$20,000 each to ten of the then lessees, without interest. When the lease of the William Penn Colliery was transferred to new owners, it was upon condition that the sum advanced this colliery should be repaid by an additional royalty upon the coal shipped.

A similar repayment will no doubt be required when the other leases are renewed.

The most gratifying feature in coal-mining, whether to owners of coal lands or to political economists, is the large increase in the percentage of coal reaching the consumer. In the early history of mining, a shipment of 25 per cent. of the coal in the ground was considered an evidence of careful work, the other 75 per cent. either remaining in the mines, for the support of the gangways, etc., or being thrown upon the dirt bank as of too small a size for consumption.

As the cost of mining and the royalty for the coal increased, improved methods were introduced in the actual work of the mines, and large quantities of coal theretofore waste material were prepared for the market.

By these means the frightful waste, evidenced in part by the mountains of culm disfiguring the landscape, has been greatly reduced, and the proportion of coal shipped from the Girard lands, to coal mined from them, has been increased over 29 per cent. since 1866.

Because of the lower prices at which coal of the smaller sizes is sold, the demand has increased so rapidly that the contents of the culm banks found at all the collieries are being re-screened, washed, picked, and shipped to market.

It is estimated that 2,500,000 tons of marketable coal can be recovered from the banks belonging to the Estate, and large shipments may be expected from this source of supply at an early day.

THE GIRARD WATER COMPANY continues to be directly a source of growing income because of the water rents received, and indirectly because many of the collieries on the Girard Estate, without the water furnished them by this Company, would in seasons of drought be compelled to curtail, if not to stop entirely, their mining operations.

The reservoirs from which the water is distributed were originally constructed, and the necessary pipes laid, by the Girard Estate. It was soon found that interested parties desired to deprive us and our tenants of the advantages of our ownership, through the incorporation of a Water Company. To prevent this the Girard Water Company was organized.

The quantity of water distributed has increased from 92,000,000 gallons in 1884 to 165,312,109 gallons in 1892.

The farmers find a ready market for their produce in the neighboring mining towns and appear to be contented and doing well.

The trees planted upon the lands about the Lost Creek reservoirs are growing finely. Those first set out have reached a height of 25 feet, and the benefits of retimbering our lands are becoming manifest.

The European Larch, the Catalpa, and the Scotch pine, seem best adapted to soil and climate. 103,000 larch, 21,000 catalpa, 8000 pine, and over 1000 trees of other species have been planted during the past 12 years.

It is a satisfaction to know that the Girard Estate was the first to engage in the planting of trees on a large scale, and the results attained should induce other land owners to follow our example.

The report of the Engineer in charge of the Girard Estate out of the City and of the affairs of the Girard Water Company (*Appendix C.*) is replete with information useful to the expert and instructive to all interested in public affairs.

Mr. Girard's bequest of \$500,000 for the IMPROVEMENT OF THE RIVER FRONT, of Delaware Avenue and Water Street, and for the removal of wooden buildings, has, by judicious investment of the surplus income, grown to . \$846,500.00
with a cash balance of. 171,797.00

Total .	\$1,018,297.00
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The expenditure for the removal of wooden buildings was \$400 in 1891
and 350 in 1892
and this item will disappear altogether at an early day.

The widening and repaving of Water Street is completed,

and Delaware Avenue has been laid out and paved, and widened from time to time as the interests of the city's trade demanded.

The income from investments in 1892 was . \$47,670.00

and the expenditures for repairs, cleaning, lighting, and policing were but 17,458.00

It is within bounds to say that for these purposes they will not exceed annually for many years 20,000.00

The question of improving the Delaware River occupies a prominent place in the public mind at this time, and the execution of the plans for bettering its navigation by removing the islands, deepening and straightening the channel by contracting its width through the extension of piers, and the construction of new wharf lines, is of vital importance to the commerce of Philadelphia.

The Girard Estate, as owner of wharves and docks, and as the more immediate custodian of Delaware Avenue, both under the provisions of Mr. Girard's will and under the Acts of Assembly passed for the purpose of making these provisions effective, is especially interested in this work, and the Board of Directors of City Trusts will do all they possibly can, to aid its successful execution.

A general plan for the widening of Delaware Avenue along the entire river front, and the construction of new bulk-heads, if possible of stone, should be devised, and there is no doubt that the part over which we have supervision, that between Vine and South Streets, will have prompt attention.

The report of the SURGICAL STAFF OF THE WILLS EYE HOSPITAL (*Appendix G.*), and the report of the Superintendent of Minor Trusts (*Appendix F.*), show that this important charity continues its increased work still hampered by insufficient funds.

Its endowment is growing by the legacies and donations of liberal and charitably minded citizens, but not so rapidly as does its work.

The number of patients treated at clinics in 1892 was	11,733
In 1883	<u>5,706</u>
An increase of	6,027

The number received as house patients in 1892 was	760
In 1883	<u>564</u>
An increase of but	<u>196</u>

This difference in increase arises from the inability to furnish beds for worthy cases applying for admission, because of the crowded condition of the wards, and sometimes for want of means for their maintenance if admitted.

It is a pity that with an institution capable of doing so much immediate good to those to whom blindness or deficient sight is a matter of existence, we should not be able to care for all applying for relief.

It has been suggested that the claims of this meritorious charity are sometimes overlooked because its management is linked with that of the amply endowed Girard College. This connection, however, is simply one of administration, and the funds of the one institution cannot be diverted for the support of the other.

The reputation of our City and State for their charities is world wide, and we hope and believe that the Wills Hospital will not be forgotten by those who are willing and able to contribute for the relief of the unfortunate.

The usual appropriation will be asked of the Legislature of our State, and as 317 of the 760 house patients treated last year were from parts of Pennsylvania outside of the City of Philadelphia, and only 297 from the City, we have reason to hope that our petition will have favorable consideration.

Under the head of MINOR TRUSTS are grouped the other charities placed by the testators and the law under the care of this Board.

They include the loaning of money to young married artificers, and they vary from the granting of medals to the industrious student and to the successful inventor, to the purchase of books for libraries in public schools; from supplying a library to the inmates of the House of Correction, to the relief of and making more comfortable the sick and insane poor in the Almshouse; from the distribution of bread and soup, to the supplying of wood and coal to the destitute, and some of them have been in existence as public charities from 1752 even until now.

The administration of these trusts demands time and attention by the Directors and faithfulness on the part of the officers appointed for their management.

The report of the Superintendent of Minor Trusts (*Appendix F.*) gives in separate detail the receipts and expenditures of each, and its examination will show how well we have met the desires of those who are making the world better because of the monuments of charity which they have erected.

A recital of the miseries relieved, of the want removed, and of the hearts made happier has no place in an official report.

Truly, the men and the women whose bounties we distribute rest from their labors and their works do follow them.

On behalf of the

Board of Directors of City Trusts,

A large, elegant handwritten signature in dark ink, likely of the President, Louis Vignon. The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

President.

APPENDIX A.

In Memoriam.

WILLIAM HEYWARD DRAYTON.

AN ADDRESS

TO THE PUPILS OF THE GIRARD COLLEGE,

Read January 24, 1898,

By ALEXANDER BIDDLE.

WILLIAM HEYWARD DRAYTON.

My colleagues have done me the honor to request that I should address you in memory of our late President,

WILLIAM HEYWARD DRAYTON.

It is a task to which I apply myself, although feeling strongly my want of skill to do justice to his honored memory, for I have neither set phrase of speech nor eulogistic terms at my command to move an audience or portray his virtues, but if twenty-five years of intimate association with kindred hopes in the same pursuit which have left in my mind strong feelings of regard, may enable me to place some idea of his worth in your minds, and if I may attract your thoughts to a life of principle, earnest work, and self-denial, as worthy at all times of your imitation and reflection, I may do something, and perhaps not in vain.

The name of Drayton is well known in the North of England. It seems to be a compound word of Pictish and Saxon origin, a duplication of the same meaning,—a collection of dwellings. The Picts were of Teutonic origin and dwelt in eastern Scotland, north of the Roman Wall of Antonine, extending from the Clyde to the Forth. The name Drayton also appears in early literature and chivalric poetry.

The first settlers in our country came from Barbadoes to Carolina, about the time of Sir John Yeaman's expedition in 1679. This settlement was under a charter of Charles the Second to the Earl of Clarendon and seven other nobles.

About a century before, a colony of French Huguenots, under the auspices of the Admiral Coligny, reached Port Royal and named the country Carolina, in honor of their monarch, Charles the Ninth of France.

This colony was nearly extirpated by the Spaniards, but some remained, and uniting with the new-comers the settlement was firmly

--

established on the basis of religious freedom under the English crown. They were a people vehement in character, progressive in disposition. Carolina claims the first free schools, the first railroads.

In the sacrifice of home-ties for reason, faith, and conscience, do not suppose that the settlers in this country, South or North, were an impoverished class. Many came full-handed in temporal means, and with no moderate skill and experience in arts, literature, and arms. Patents from William Penn were given for over one thousand acres at a time. Seventy blood relations were said to have settled near Merion, and one-ninetieth of New Jersey was granted to one emigrant family. The Huguenots were of high degree. Macaulay's spirit stirring battle ballad of Ivry beginning—

Now glory to the Lord of Hosts,
From whom all glories are,
And glory to our sovereign Liege,
King Henry of Navarre,

records the victory of a Huguenot prince who afterwards changed his party and his profession of faith.

It was not long after the foundation of the colony that the name of Drayton came to the front in ardent support of justice and equity among men.

The name of William Henry Drayton, a relative of our late President, appears as Chief Justice in Carolina in April, 1776, and in a charge uttered these words,—

“The King had abdicated the Government, and the people owed no allegiance to him.”

And again in October, 1776,—

“The Public service requires an unwearied application, unabating vigor, and readiness to make the greatest sacrifices.”

I make these extracts because they aptly express the precepts of which the life-long service of our President was an admirable example.

Colonel Drayton, the father of William Heyward Drayton, was born December 30, 1776. His biographer, J. B. O'Neal, speaks

of him as "That patient, diligent man, remarkable for his precision and elegance at the bar, in the army, on the bench, and in the legislative halls."

At the bar he took the highest stand as counsel, advocate, and man of honor.

He was colonel of the Eighteenth U. S. Infantry, and in 1816 General Jackson urged upon President Monroe his appointment as Secretary of War.

Recognized as one of the noblest, purest, and most gifted of Carolina's sons, he felt with General Jackson that the Federal Union must be preserved, and when the spirit of nullification was rife in South Carolina, he sought for himself and family, a home, peace, and tranquillity in Philadelphia.

Nullification, in the words of Webster, is the "Right claimed by a State to make void by its sovereign act or decree an enactment of the general government which it deems unconstitutional."

To this sentiment he did not give his adherence, and his devotion to the Union made him a citizen of Philadelphia.

These antecedents of principle and action were the basis upon which the early character of William Heyward Drayton was formed.

*"The childhood shows the man
As morning light the day."*

I have a recollection of him in boyhood's scholastic years for patient assiduity, steady tenacity of purpose, building little by little a foundation of rare attainments.

I recall in after years of youthful manhood his military service as Captain Drayton at the time of the riots in Southwark, when two of his brother officers near by were wounded.

He afterwards served as major on the staff, and later in life, after he had passed the age of forty-five years, though exempt from military service, he joined the Gray Reserves, shouldered his musket, marched at the call of duty, and served his full allotted time.

Of his professional emipence I am not qualified to speak, but he

is well known as the life-long friend and associate of many of our ablest jurists. So well known that at one time he was asked to permit his name to go before the public as a candidate for the bench of judges, a request that carries with it assurance of respect for impartial justice in deciding controversies of men.

Not long after he was called by the Board of Appointment to a seat in the Board of Directors of City Trusts.

His careful industry was well known to our President, Mr. William Welsh, who committed to his charge the investigation of the subject of mechanical instruction.

It had occupied the thoughts of many minds. Manual labor schools had been tried and had failed. Many schemes had met with violent opposition, and some with partial success.

At a lecture by the principal of the Boston Technological School, given in this city at the instance of Mr. Drayton, a story of this kind was told: A teacher had applied, with high testimonials, for the position of instructor. "Can you make that?" was a question asked when a screw was handed to him. After careful examination he remarked, "He who did that can do more than I can." "That," said the superintendent, "was made by one of our boys." The screw showed work to a level, an edge, an angle, and to any varying curve; all by principle, and yet but a practice or study of mechanic art intended for nothing more.

I have sometimes thought that there may be a depth of meaning in the phrase,

"Is not this the carpenter, the Son of Mary?"

Why was that particular trade selected for the training of the Master? To live in youth by rule and scale is to cultivate truth, mechanical and moral, and truth is purest morality.

The subject of mechanical instruction with a well devised plan was finally brought before the Directors by Mr. Drayton, and a reasonable appropriation asked for. It was promptly rejected. Fond hopes of great utility seemed crushed forever, the labor of years annihilated, when the present President of the Board came to the rescue. Experience tempered by reflection sometimes

appears to have the force of impulse, and with a happy motion to appropriate about one-tenth of the sum asked for the purpose the plan was adopted. The graft was complete. It soon expanded with leaf and fruit so rapidly that the success of the whole scheme has never been checked or doubted. With Mr. Drayton's presidential career, the school of Mechanical Instruction has become the embodiment in the College of Mr. Girard's idea that "facts and things should be taught rather than words or signs."

It is not unusual for the novelist to hold up to us the way we live now by our faults and foibles, but it is pleasanter to look upon man as Shakespeare delineates him, especially when we have the good, the honest, and true for our theme.

"What a piece of work is a man,
How noble in reason,
How infinite in faculties.
In form and moving how express and admirable,
In action how like an angel,
In apprehension how like a God,
The beauty of the world, the paragon of animals."

I verily believe that if all instances of virtue we borrow from the classics were blotted out forever, that fifty years of time would give us more and better examples for imitation.

We stand on a higher platform in the material world. Coal, gas, cotton, steam, electricity, aluminum, etc., have been added to our use and comfort, and in the moral world, spite of original sin and human infirmity, we are on a higher equality. We drag sin to light more quickly, but perhaps are less observant of virtue. We start with higher aims of life and think little of it. Howard, the philanthropist from 1760 to 1790, after thirty years of work, left a name and fame which have rung throughout the world, but fifty years of work in alleviating the miseries of prison life now pass unregarded, save it be in the hereafter.

The monument which stands west of the College is mute evidence that life, fortune, and honor are at command for the public good as well now as in 1776. These are from the environment of the Girard College. I could add many more, but will only speak of

William Heyward Drayton, who with head, heart, and pen has so devoted himself to his Trust duties that he may be said to have given his life that the purest morality by precept and example might be inculcated in your minds.

There is no better illustration of self-sacrifice. One of his last speeches to a sympathizing friend, was, "When I come to town from my country home, I must try to learn more about the College."

I will not allude to the "smooth current of domestic joy" in which it was his delight to live, nor yet is it usual in these halls to dwell upon modes of faith and religious belief. Though known to be ardent in belief and diligent in work as a Christian man, we dwell not upon denominational work.

You are all free and uninfluenced in any direction. All forms of faith are regarded alike. To borrow a simile from the poet Moore or D'Aubigné,—“As the pure light of Heaven can be divided into many rays of splendor and beauty, and we can contemplate their varied tints with pleasure, all to be united in one most glorious light,” so Greek, Roman, Lutheran, English, Presbyterian, Baptist, Methodist, may all be combined in the Majesty of God's Holy Church, triumphant over evil at the pleasure of His Almighty will. It is enough to say, in the beautiful, compact language of the Epistle of St. James, and they form a fitting illustration of the practical work of our friend, “Pure religion and undefiled before God and the Father is this, *To visit the fatherless and widows in their affliction, and to keep himself unspotted from the world.*”

Such was our colleague, our President, William Heyward Drayton.

FAREWELL.

Thy life has left surviving Love
A wealth of records and sweet feelings given;
From sorrow's heart the sadness to remove
By whispers breathing less of Earth than Heaven.

APPENDIX B.

REPORT OF THE SUPERINTENDENT

OF THE

GIRARD ESTATE,

FOR THE YEAR ENDING DECEMBER 31, 1892.

OFFICERS OF THE GIRARD ESTATE.

General.

SUPERINTENDENT,	GEO. E. KIRKPATRICK.
SOLICITOR,	F. CARROLL BREWSTER,
ASSISTANT SOLICITOR,	FRANCIS E. BREWSTER.

Real Estate in Philadelphia.

AGENT,	SAMUEL S. CAVIN.
ARCHITECT,	JAS. H. WINDRIM.

Real Estate in Schuylkill and Columbia Counties.

ENGINEER,	HEBER S. THOMPSON, Pottsville.
SOLICITOR,	SAMUEL H. KAERCHER, Pottsville.
ASSISTANT SUPERINTENDENT,	EMIL C. WAGNER, Girardville.
MINE INSPECTOR,	JOHN B. GRANGER, Girardville.

Messengers, MAURICE COLBERT, Residing at Office, No. 19 South Twelfth St.

GIRARD ESTATE.

SUPERINTENDENT'S REPORT FOR 1892.

To the Board of Directors of City Trusts.

GENTLEMEN ;—Once more I have the privilege of stating the annual income of the Girard Estate, both gross and net, to be greater than that reported at any previous date ; the gross income of 1892 exceeding that of 1891 by \$44,343.09, and the net income showing an increase of \$13,044.71. Details are given in the following statement :

GROSS INCOME.	1891.	1892.
Real Estate outside of the City...	\$592,740 49	\$616,512 75
“ “ within the City.....	429,888 90	440,652 70
Personal Estate (Residuary Fund)	128,590 30	139,839 36
“ “ (Del. Ave. Fund)	49,112 38	47,670 35
	<u>\$1,200,332 07</u>	<u>\$1,244,675 16</u>
NET INCOME.	1891.	1892.
Real Estate outside of the City...	\$518,732 98	\$545,541 29
“ “ within the City.....	303,857 34	312,695 26
Personal Estate (Residuary Fund)	128,215 30	106,003 35
“ “ (Del. Ave. Fund)	47,874 57	46,346 49
	<u>\$998,680 19</u>	<u>\$1,010,586 39</u>
General Office Expenses,	15,888 48	14,749 97
	<u>\$982,791 71</u>	<u>\$995,836 42</u>

The decrease in the net income from Personal Estate Residuary Fund is apparent rather than real, being caused by an unusually

heavy expenditure of cash for premiums on municipal bonds purchased. These premiums must, of course, be taken from the income, and are an actual diminution of the income of the Estate; but being expended for the purpose of obtaining a rate of interest higher than the ordinary market rate upon this class of investments, through a term of sometimes as many as twenty-three years, they cause an increase in the income of future years at the expense of that of the year in which the bonds are purchased. The sum of \$32,630.76, thus expended in 1892, will in this manner be returned with interest to the treasury of the Estate during future years. This item bears particularly hard upon the year 1892 when compared with 1891, for the reason that while in 1892 the large sum above mentioned was expended in this manner, in 1891 no municipal loans were purchased, and no expenditure for premiums made. Another disadvantage under which the income of 1892 suffers by comparison with that of 1891, is explained in my report of one year ago. As then stated, \$2,392.50 interest on State loans, due February 1, 1892, was collected in December, 1891, thus giving to 1891, in comparison, an undue advantage of twice that sum, or \$4,785.00.

The diminution of \$1,528.08 in the net income of the "Delaware Avenue" Fund is caused, to the extent of \$1,300, by premature collection of interest on State loans mentioned above; also by the extreme scarcity of desirable investments, causing us to keep idle large sums of money which otherwise would have been invested and caused to yield a revenue.

The year 1890, which up to this time shows the greatest return from real estate within the city, yielded from that source, gross, \$435,065.76, and net, \$315,230.12. The gross income of 1892 exceeds this by \$5,586.94, while the net income of 1892 falls short by \$2,534.86, very small variations when the total amounts involved are taken into consideration. As compared with the year 1891, however, an increase of \$10,763.80 in the gross, and of \$8,837.92 in the net income is shown.

The entire block of stores on Market Street, between Eleventh

and Twelfth Streets, is now rented, the two stores reported vacant one year ago having been leased during the year. No. 1128-30 has been rented by Messrs. John T. Bailey & Co., who have surrendered their lease of No. 1136-38, and Messrs. N. Snellenburg & Co. have in addition to the store on the corner of Twelfth Street, previously leased by them, assumed the tenancy of Nos. 1132-34 and 1136-38. This gives to the latter firm one store; for the several stores leased by them have been thrown into one by the opening of archways in the party walls; 103 feet 6 inches in front on Market Street by 180 feet in depth on Twelfth Street, directly opposite the new terminal station of the Philadelphia and Reading Railroad; in fact, in one of the best business localities of the city. Messrs. N. Snellenburg & Co. are now engaged in altering the front of the central store, converting it into a handsome arched doorway.

The site between Fourth and Fifth Streets, Merchant Street and Ranstead Place, having been selected for the proposed building of the Philadelphia Bourse, an ordinance of Councils has been passed widening Fifth Street in front of this property. This widening of the street will throw into the highway the premises of the Girard Estate Nos. 19 and 21 South Fifth Street, with the small graveyard to the north, for their entire depth. The usual condemnation proceedings are now in progress.

The six dwelling-houses reported one year ago as being in the course of construction upon the lot on the south-east corner of Twenty fifth and Poplar Streets (Nos. 2428 to 2438 Poplar Street) have been completed at a total cost of \$23,547.50. They were all leased very soon after being ready for occupancy.

Work upon the improvement of the lot on the south-west corner of Twenty-fifth and Poplar Streets was begun early in the year, and is now practically completed. Five houses have been erected fronting on Twenty-fifth Street, the corner house having its main entrance on Poplar Street. The fronts are built with buff-brick and trimmings of Indiana limestone. Upon the first floor there is a parlor, reception hall, dining-room, and kitchen; upon the second floor, two bedrooms, one bath-room, and a sitting-room;

and upon the third floor, two bedrooms and a store-room. All of the rooms are finished with natural wood, ornamental mantel-pieces are in the sitting-room, dining-room, and parlor, and an open fire-place and chimney-piece in the reception hall. In the main bedroom there is a large wardrobe. The principal gas fixtures are provided with electric gas-lighting apparatus, and a system of electric bells is in each house.

The furniture factory erected on the south-east corner of Twenty-third and Ritner Streets during the year 1891, having been found to be too small for the growing business of the lessees, Messrs. Clark, Thomas & Co., has been enlarged by the erection of two additional stories upon the main building, giving an increased floor space of 50,700 square feet. The new portion of the building is now being equipped with automatic sprinklers, and the two freight elevators have been extended to run to the additional stories. Including this addition, the entire cost of the improvements placed by the Girard Estate upon this ground will be between eight-five and ninety thousand dollars.

The most serious difficulty encountered in the improvement of this property was in obtaining proper drainage, no public sewer having as yet been constructed in this section of the city. The attention of the City Councils has been called to the need of such a sewer, and ordinances providing for its construction have been passed, and work begun thereunder, which it is hoped will be completed during the summer of 1893. This main sewer will run south on Sixteenth Street to Shunk Street, west on Shunk Street to Passyunk Avenue, and south-west on Passyunk Avenue to the Schuylkill River.

Authority has been granted by the Orphans' Court to square the boundary lines between the property of the Girard Estate in the vicinity of Sixteenth and Porter Streets and that of the adjoining land owners. The papers are now in the course of preparation.

In the latter part of the year, in compliance with your instructions, a Fire Insurance Fund was established, to assume the fire risks upon the dwelling-houses, smaller stores, and other property

of the Estate, considered specially unlikely to suffer injury by fire; in some cases assuming the entire, and in others a partial risk. The Fire Insurance policies heretofore held to protect against loss upon these premises have been cancelled, and the return premium so collected placed to the credit of the Fire Insurance Fund. This fund now has an invested capital of \$13,000 and a cash balance of \$1,503.61.

Although the cash receipts from real estate without the City during the year 1891 amounted to more than those of any prior year, those from this source in 1892 are still greater, being for 1892, \$616,512.75, and for 1891, \$592,740.49. The most important item in this account is the rent and royalty from collieries, which yielded a return in 1892, \$25,206.10 in excess of that of 1891. The portion of the net income of 1892 set aside for investment, or rather re-investment, was \$408,496.51.

The conflicting claims of the Girard Estate and of Messrs. E. P. Wilbur, Trustee *et al.*, to two tracts of land known as the Amos Wickersham and the Thos. Hiltzheimer Tracts, situated in Columbia County, Pa., were brought to trial in May last before Judge Metzgar, at Bloomsburg, resulting in verdicts adverse to the Girard Estate. In the same month, the rival claims of the Girard Estate and the Johnston Beasley Coal Company to the adjoining Tract, known as the Johnston Beasley, were heard before the same court, and with the same result. Motions for new trials have been made.

The lease of the William Penn Colliery to Messrs. E. & G. Brooke, trading as the William Penn Coal Company, has been assigned by the lessees to Messrs. Stickney & Conyngham, who will continue the business under the old name of the William Penn Coal Company. This transfer was approved at your meeting of May 17, 1892. As a condition to the granting of this consent, the lessees were required to agree to the payment of a small additional royalty to be applied toward the reduction of an amount due the Girard Estate for funds advanced at the time of the opening of the colliery.

During the latter part of the year great inconvenience and heavy loss was entailed upon the inhabitants and property owners of the entire State, through the extreme scarcity of water. This bore with special severity upon those engaged in the mining of coal, causing destruction of boilers through the use of mine water, cessation of mining in order to avoid this destruction, etc., etc. In this respect most of the collieries on the Girard Estate were in a much better position than others in their vicinity; the Girard Water Company being able at all times to supply water for two hours per day, and during a great portion of the drought without any restriction whatever. At this date, while the danger is yet far from over, there is a depth of over nine feet in the water of No. 2 Reservoir, and over twelve feet in that of No. 3, and water is being supplied to the collieries without restraint.

The wisdom and forethought of your Board in building reservoirs and providing a supply of water to meet the needs of the persons and corporations occupying our property in the coal-mining regions, have been made strikingly apparent during this drought, and benefits difficult to estimate in dollars and cents have been derived therefrom by the Girard Estate. In cash, the net return to the Estate from this investment during the year 1892 was \$6,608.67, made up as follows:

Rent of Water Pipe Lines.....	\$7,500 00	
Dividend on Stock.....	4,960 00	
		<hr/> \$12,460 00
Deduct Cost of Maintenance and Extension of Pipe Lines.....		5,851 33
Net Cash Receipts.....		<hr/> \$6,608 67 <hr/>

The amount of the net income available for the support and extension of the Girard College during 1892 amounted to \$540,114.18, as follows:

From Real Estate within the City...	\$312,695	26	
“ “ “ without the City, one-quarter net in- come.....	136,165	54	
“ Personal Estate.....	106,003	35	
	<u>\$554,864</u>	15	
Less General Office Expenses.....	14,749	97	
			<u>\$540,114</u> 18

Out of this sum, the pupils in Girard College, averaging 1570 in number, were supported, cared for, and instructed, and the expenditures necessary for keeping the grounds and buildings in proper condition, made. These aggregated \$463,722.28, or \$295.36 per capita, in detail :

HOUSEHOLD.

Wages.....	\$42	55	
Subsistence	77	28	
Clothing	35	29	
Dry Goods.....	6	96	
Furniture.....	6	26	
Repairs.....	16	86	
Grounds.....	4	50	
Lighting.....	8	05	
Fuel	13	41	
Water Rent.....		54	
Cadets		35	
Salaries.....	18	99	
Incidentals.....	8	17	
			<u>\$239</u> 21

INFIRMARY.

Salaries.....	\$2	42	
Maintenance	3	09	
			<u>5</u> 51
<i>Amount carried forward.....</i>			<u>\$244</u> 72

Amount brought forward..... \$244 72

INSTRUCTION.

Salaries.....	\$34 66	
Books, Stationery, etc.....	3 66	
Chemical Laboratory.....	21	
School Furniture.....	40	
School and Philosophical Apparatus...	18	
Department of Natural History.....	22	
Library Books and Binding.....	39	
		39 72

MECHANICAL INSTRUCTION.

Salaries.....	\$6 22	
Incidentals, Supplies, etc.....	2 80	
		9 02

ADMISSION.

Salaries and Expenses	\$1 40	
Rewards and Premiums.....	50	
		1 90
		<u>\$295 36</u>

With the net income of the Fund for the Improvement of the Eastern Front of the City, the public streets and alleys in the district bounded by Vine and South Streets, Front Street and the Delaware River, have been kept clean, and the street pavements of all except those portions where this work has been imposed by City Councils upon railroad corporations enjoying valuable franchises thereon, kept in good order and condition. Delaware Avenue and Front Street, between Vine and South Streets, have been lighted with electric lights,—fifty in number.

When Water Street was last widened, in 1872, the damages awarded by the Jury of View were paid in accordance with their findings, with the exception of those applying to the realty of premises No. 216 South Water Street, and the leasehold interest in premises 45 North Front Street, amounting to \$1600, and \$40,

respectively, which could not then be paid, owing to our inability to find owners properly entitled to the awards. During the past summer the owners of seventy undivided seventy-second parts of the award for the realty of premises No. 216 South Water Street, were at last able to make good their title, and the sum of \$1,555.55 was accordingly paid to them.

Seven wooden buildings have been torn down and removed, at an expense of \$350.00.

The details of Invested Capital, Cash Receipts, and Payments of the Residuary Fund, of the Fund for the Improvement of the Eastern Front of the City, and of the Girard Water Company; are submitted herewith.

Very respectfully,

GEO. E. KIRKPATRICK,

Superintendent Girard Estate.

DECEMBER 31, 1892.

GIRARD ESTATE.

RESIDUARY FUND,

FOR THE MAINTENANCE AND EXTENSION OF GIRARD COLLEGE.

REAL ESTATE, STOCKS, AND LOANS.

COMPOSING INVESTED CAPITAL,

December 31, 1892.

REAL ESTATE.

Girard College, Ground, and Buildings (approximate cost).....	\$3,250,000 00
Banking Houses, Dwellings, Stores, Wharves, and Farms in the City of Philadelphia; assessed valuation for 1892.....	4,934,400 00
Real Estate in Schuylkill and Columbia Counties, Pennsylvania, about 18,000 acres; assessed valuation for 1892.....	<u>1,722,913 00</u>
<i>Amount carried forward.....</i>	<i>\$9,907,313 00</i>

Amount brought forward..... \$9,907,313 00

STOCKS AND LOANS.

	Par Value.
408 Shares of Stock, Chesapeake and Delaware Canal Co.	\$20,400 00
255 Shares of Stock, Chesapeake and Delaware Canal Co., received as dividend.....	12,750 00
Bond, Ridge Turnpike Co.....	10,000 00
1 Share Stock, Susquehanna and Lehigh Turnpike Co.....	100 00
State of Pennsylvania 4 per cent. Loan.....	31,000 00
State of Pennsylvania 3½ per cent. Loan.....	17,000 00
City of Philadelphia 6 per cent. Loan.....	998,900 00
City of Philadelphia 4 per cent. Loan.....	422,475 00
Schuylkill County 3 per cent. Loan..	20,000 00
City of Pittsburgh 4 per cent. Loan.	5,900 00
City of Pittsburgh 5 per cent. Loan.	30,000 00
City of Pittsburgh 7 per cent. Loan.	29,900 00
Girard Water Company Stock.....	99,700 00
Philadelphia and Reading Railroad Co. Bonds:	
General Mortgage 4 per cent....	6,000 00
First Preference 5 per cent.....	2,000 00
Second Preference 5 per cent...	11,000 00
Third Preference 5 per cent... .	30,000 00
Bonds and Mortgages.....	1,299,800 00
Loans on Collateral.....	7,000 00
Ground Rents.....	325,000 00
	<u>3,378,925 00</u>
TOTAL INVESTED CAPITAL OF RESIDUARY FUND..	<u>\$13,286,238 00</u>

CASH RECEIPTS AND EXPENDITURES OF THE RESIDUARY FUND
FROM JANUARY 1, 1892, TO DECEMBER 31, 1892, INCLUSIVE.

RECEIPTS.

Real Estate without the City of Philadelphia.

Rent and Royalties from Collieries.....	\$601,079 60	
Sale of Timber.....	2,415 25	
Rent of Real Estate, etc.....	4,332 47	
Rent of Water-Pipe Lines.....	7,500 00	
Sale of Surface Right of Lots.....	776 02	
Interest on deferred payments of the same.....	268 04	
Sale of Land in Kentucky.....	103 22	
Bounty, Forest Tree Culture.....	38 15	
		<u>\$616,512 75</u>

Real Estate in the City of Philadelphia.

Rent of Real Estate.....	\$440,634 46	
Sale of Waste Material.....	18 24	
		<u>440,652 70</u>

Personal Estate.

Interest, Philadelphia City Loan.....	\$71,844 50	
Interest, Pennsylvania State Loan.....	1,835 00	
Interest, Pittsburgh City Loan.....	193 00	
Interest, Schuylkill County Loan.....	600 00	
Interest, Mortgages.....	48,794 19	
Interest, Collateral Loans.....	301 00	
Interest, P. & R. R. R. Co Bonds.....	240 00	
Ground Rents.....	11,071 67	
Dividend, Girard Water Co. Stock.....	4,960 00	
		<u>139,839 36</u>
Sale of Waste Material, Girard College,		1,701 58
Philadelphia City Loan Matured.....	\$23,300 00	
Mortgages, Principal Collected.....	53,500 00	
Ground Rent Extinguished.....	35,000 00	
		<u>111,800 00</u>

TOTAL RECEIPTS, RESIDUARY FUND..... \$1,310,506 39

EXPENDITURES.—RESIDUARY FUND, ESTATE.

Real Estate without the City of Philadelphia.

Taxes.....	\$42,757 09	
Refunded by Lessees..	6,772 21	
	<u> </u>	\$35,984 88
Expenses Water-Pipe Lines.....		5,851 33
Miscellaneous Expenses.....		8,107 45
Repairs, etc., to Real Estate.....		1,858 78
Farm Improvements, Catawissa Valley		4,719 02
Salaries.....		14,450 00
	<u> </u>	\$70,971 46

Real Estate in the City of Philadelphia.

Taxes.....	\$86,785 97	
Refunded by Lessees..	989 13	
	<u> </u>	\$85,796 84
Water Rents.....	\$5,115 05	
Refunded by Lessees, etc.....	416 00	
	<u> </u>	4,699 05
General Repairs.....	\$24,905 12	
Fire Loss, repaid by In- surance Companies, also Portion of Cost of Repairs Refunded by Tenant.....	412 50	
	<u> </u>	24,492 62
Fuel.....		1,371 07
Salaries.....		5,245 67
Law and Miscellaneous Expenses.....	\$8,007 87	
Insurance Rebates, Gas Bills Collected, etc.....	1,655 68	
	<u> </u>	6,352 19
	<u> </u>	127,957 44
<i>Amount carried forward.....</i>		\$198,928 90

EXPENDITURES.—RESIDUARY FUND, ESTATE.—*Continued.*

<i>Amount brought forward.....</i>		\$198,928 90	
Erection of Factory, Twenty-third and Ritner Streets.....	\$40,316 71		
Erection of Houses, 2428 to 2438 Poplar Street.....	16,342 50		
Erection of Houses, 886 to 894 N. Twenty-fifth Street.....	14,076 90		
Erection of Stores, Twelfth and Market Streets.....	1,010 75		
			71,746 86
<i>Personal Estate.</i>			
Premiums and accrued Interest on Bonds purchased.....	\$32,630 76		
Brokerage on same.....	411 00		
Expenses of Investment.....	349 05		
State Taxes, refunded to Mortgagors.....	445 20		
			33,836 01
<i>General Office Expenditures.</i>			
Salaries.....	\$12,729 99		
Annuity.....	300 00		
General Expenses.....	2,911 74		
	\$15,941 73		
Less amount charged Delaware Avenue Fund as its share of the General Office Expenses.....	1,191 76		
			14,749 97
<i>Investments and Reinvestments.</i>			
Bonds and Mortgages.....	\$392,350 00		
Ground Rents.....	80,000 00		
Philadelphia City, 6 per cent. Loan..	89,800 00		
Philadelphia City, 4 per cent. Loan..	8,800 00		
Pittsburgh City, 7 per cent. Loan....	29,900 00		
Pittsburgh City, 5 per cent. Loan....	30,000 00		
Pittsburgh City, 4 per cent. Loan....	5,900 00		
			636,750 00
TOTAL EXPENDITURES FOR RESIDUARY FUND, ESTATE,		\$956,011 74	

EXPENDITURES.—GIRARD COLLEGE.

Household.

Wages.....	\$66,796	15	
Subsistence	121,327	93	
Clothing	55,399	75	
Dry Goods.....	10,930	41	
Furniture.....	9,831	75	
Repairs.....	26,467	31	
Grounds.....	7,072	70	
Lighting	12,646	34	
Fuel.....	21,054	69	
Water Rent	846	18	
Cadets.....	542	20	
Salaries.....	29,817	17	
Incidentals.....	12,822	04	
			\$375,554 62

Infirmary.

Salaries.....	\$3,800	00	
Maintenance.....	4,856	25	
			8,656 25

Instruction.

Salaries, including those of President and Vice-President.....	\$54,418	72	
School-Books and Stationery.	5,741	52	
Chemical Laboratory..	335	37	
School Furniture	633	03	
School and Philosophical Apparatus..	285	50	
Department of Natural History.....	327	70	
Library, Books, and Binding.....	619	66	
			62,361 50

Mechanical Instruction.

Salaries.....	\$9,769	36	
Supplies, etc.....	4,393	20	
			14,162 56

Amount carried forward..... \$460,734 93

EXPENDITURES.—GIRARD COLLEGE.—*Continued.**Amount brought forward*..... \$460,734 93*Admission, Discipline, etc.*

Salaries.....	\$2,000 00	
Expenses of Admission: Postage and Printing.....	196 80	
Rewards and Premiums.....	790 55	
		<u>2,987 35</u>
		\$463,722 28

Extraordinary.

Fitting up Annex to Library, etc.,....	\$4,030 28	
Additional Advance to Steward.....	500 00	
		<u>4,530 28</u>

TOTAL EXPENDITURES FOR GIRARD COLLEGE.. \$468,252 56

RECAPITULATION.—RESIDUARY FUND.

RECEIPTS.

Real Estate out of City	\$616,512 75	
Less Expenses.....	70,971 46	
		<u>\$545,541 29</u>
Real Estate in the City	\$440,652 70	
Less Expenses.....	127,957 44	
		<u>312,695 26</u>
Personal Estate.....	\$139,839 36	
Less Expenses, Pre- miums, etc.....	33,836 01	
		<u>106,003 35</u>
		\$964,239 90
Deduct General Office Expenses.....		<u>14,749 97</u>
Net Income Residuary Fund.....		\$949,489 93
Miscellaneous Receipts.....		1,701 58
Principal of Investments Collected		111,800 00
Cash Balance, January 1, 1892.....		<u>176,220 74</u>
<i>Amount carried forward</i>		\$1,239,212 25

EXPENDITURES.—GIRARD COLLEGE.—*Continued.*

Amount brought forward..... \$1,239.212 25

PAYMENTS.

Girard College Ex-		
penses, ordinary.....	\$463,722 28	
Girard College Ex-		
penses, extraordinary	4,530 28	
	<hr/>	\$468,252 56
Permanent Improvements to Real Es-		
tate in the City.....	71,746 86	
Investments and Reinvestments.....	636,750 00	
	<hr/>	1,176,749 42
<i>Cash Balance, Residuary Fund, December 31, 1892</i>		<hr/> <hr/>
		\$62,462 83

FIRE INSURANCE FUND.

ESTABLISHED IN DECEMBER, 1892, TO TAKE THE PLACE OF CANCELLED FIRE INSURANCE POLICIES UPON CERTAIN SELECTED BUILDINGS.

Invested Capital, December 31, 1892.

Bond and Mortgage..... \$13,000 00

CASH RECEIPTS AND EXPENDITURES FROM JANUARY 1, 1892, TO
DECEMBER 31, 1892, INCLUSIVE.

RECEIPTS.

Returned Premium on Policies Cancelled \$13,666 96
Annual Premium Charged upon Risks Assumed by this Fund..... 836 65 \$14,503 61

EXPENDITURES.

Investment, Bond and Mortgage..... 13,000 00
Cash Balance, December 31, 1892..... \$1,503 61

FUND FOR THE IMPROVEMENT OF THE EASTERN
FRONT OF THE CITY,
REMOVAL OF WOODEN BUILDINGS, ETC.

STOCKS AND LOANS APPROPRIATED BY THE EXECUTORS OF STEPHEN
GIRARD'S WILL FOR THE IMPROVEMENT OF THE EASTERN FRONT
OF THE CITY, DELAWARE AVENUE, ETC., WITH SUBSEQUENT
INVESTMENTS AND REINVESTMENTS.

December 31, 1892.

	Par Value.
22 Shares Stock, Insurance Co. State of Pennsylvania.....	\$4,400 00
State of Pennsylvania 3½ per cent. Loans.....	5,000 00
City of Philadelphia 6 per cent. Loans	\$426,500 00
City of Philadelphia 4 per cent. Loans	65,800 00
	<u>492,300 00</u>
Philadelphia and Reading Railroad Co. Third Preference Bonds, 5 per cent..	1,000 00
Bonds and Mortgages secured upon Real Estate in the City of Philadelphia...	243,800 00
Ground Rents.....	100,000 00
	<u>343,800 00</u>
TOTAL CAPITAL OF "DELAWARE AVENUE" FUND.....	<u>\$846,500 00</u>

CASH RECEIPTS AND EXPENDITURES OF THE FUND FOR THE IMPROVEMENT OF THE EASTERN FRONT OF THE CITY, ETC., FROM JANUARY 1, 1892, TO DECEMBER 31, 1892, INCLUSIVE.

RECEIPTS.

Interest, City Loans.....	\$28,246 00	
Interest, State Loans.....	175 00	
Interest, Mortgages.....	14,809 35	
Dividend, Insurance Co. State of Pennsylvania.....	440 00	
Ground Rent.....	4,000 00	
	<hr/>	\$47,670 35
City Loans Matured.....	700 00	
Mortgages, Principal Collected.....	167,600 00	
	<hr/>	168,300 00
TOTAL RECEIPTS.....		\$215,970 35

EXPENDITURES.

Salaries.....	\$1,155 00	
Street Repairs.....	854 48	
Street Cleaning.....	5,603 74	
Street Lighting.....	8,155 61	
Accidentals.....	134 11	
Widening Water Street.....	1,555 55	
	<hr/>	\$17,458 49
Removal of Wooden Buildings.....		350 00
Expenses of Investment.....	121 60	
State Taxes, Refunded to Mortgagors.....	10 50	
Proportion of General Expenses charged from Residuary Fund.....	1,191 76	
	<hr/>	1,323 86

Investments and Reinvestments.

Mortgages.....	<hr/>	91,100 00
TOTAL EXPENDITURES FOR FUND FOR THE IMPROVEMENT, ETC.....		\$110,232 35

APPENDIX C.

REPORT OF THE ENGINEER

OF THE

GIRARD ESTATE

IN

SCHUYLKILL AND COLUMBIA COUNTIES, PENNSYLVANIA,

FOR THE YEAR 1892.

OFFICERS.

ENGINEER,	HEBER S. THOMPSON, Pottsville.
SOLICITOR,	SAMUEL H. KAERCHER, Pottsville.
ASSISTANT SUPERINTENDENT, .	EMIL C. WAGNER, Girardville.
MINES INSPECTOR,	JOHN B. GRANGER, Girardville.

MESSRS. JOHN H. CONVERSE, JOHN H. MICHENER, WILLIAM B. MANN, JAMES CAMPBELL, ALEXANDER BIDDLE, JOHN H. CUMING, WENCEL HARTMAN, *Committee on the Girard Estate without the City of Philadelphia.*

GENTLEMEN :

THE coal sent to market from the anthracite region of the State of Pennsylvania in the year 1892 is 41,893,320 $\frac{1}{4}$ tons, exceeding the yield of the year 1891 by 1,444,984 $\frac{3}{4}$ tons. The annual shipment of anthracite coal from the State for the last twelve years and the percentage of annual increase over the average production of the preceding three and six years are as follows.

The longer period of comparison, reducing the inequalities which are produced by the carrying over of excessive production from one year to another, and by special causes operating in particular years, indicates some regularity of growth.

Year.	Tons.	Per cent. of increase over the average shipments of the preceding	
		Three years.	Six years.
1892	41,893,321	10.19	13.35
1891	40,448,337	11.35	13.89
1890	36,615,459	1.13	7.56
1889	35,817,093	2.35	7.37
1888	38,145,718	14.01	16.97
1887	34,641,018	9.09	11.52
1886	32,136,632	2.37	9.14
1885	31,623,530	3.41	10.55
1884	30,718,293	2.97	15.35
1883	31,793,027	15.02	23.65
1882	29,120,096	10.62	22.73
1881	28,500,017	21.42	22.67

The production of coal from the Girard Estate this year is

	Tons.	Cwt.
Shipped to market and sold at the mines...	1,495,376	05
Consumed at the mines in operating engines, without royalty.....	192,887	00
Total production	1,688,263	05

The coal consumed in operating engines has not heretofore been taken into consideration in the tables of annual production. The term production has been taken to cover only the product of the mining operations, in coal shipped to market or sold at the mines, upon which royalty is paid. The word will still continue to be used in that sense.

The shipments of this year exceed those of 1891 by 59,439 $\frac{1}{2}$ tons. The production of six leases declined 153,689 $\frac{1}{2}$ tons, while six other leases increased their shipments 213,129 $\frac{3}{4}$ tons. The standing of each colliery in production with its increase or decrease as compared with the preceding year is shown in the following table:

TABLE SHOWING THE PRODUCTION OF EACH COLLIERY FOR THE YEAR 1892, AND ITS INCREASE OR DECREASE AS COMPARED WITH THE YEAR PRECEDING.

COLLIERY.	PRODUCTION.				Increase above 1891.		Decrease below 1891.		General Increase.
	1892.		1891.		1891.		1891.		
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	
William Penn.	219,530	17	264,313	13			44,784	16	
Packer No. 3.	185,862	13	144,997	13	40,865	00			
North Ashland	178,063	16	124,632	07	53,431	09			
Hammond.	169,991	00	199,618	07			29,627	05	
East Bear Ridge	139,341	03	134,510	06	4,830	17			
Packer No. 2.	147,717	09	110,101	15	37,616	14			
Kehley's Run.	120,308	00	120,356	16			48	16	
Girard.	118,924	01	118,366	11	557	09			
West Bear Ridge.	78,015	05	22,386	11	55,628	13			
Packer No. 5.	61,011	19	101,908	18			40,896	19	
Packer No. 4.	55,948	16	90,237	11			34,289	16	
Harrison.	461	04	4,904	08			4,443	04	
Total.	1,495,376	05	1,435,936	19	113,129	00	153,689	16	
Increase over production of 1891.									59,439 06

The coal consumed in generating steam for the operation of the mines was this year 192,887 tons,—12 $\frac{1}{8}$ per cent. of the shipment to market. The largest percentage consumed in generating steam by any colliery in operation during the whole year was 25 $\frac{1}{8}$ per cent. of its shipment. The smallest proportion of coal thus used was 6 per cent. of its shipment, by Kehley's Run Colliery.

The quantity of small coal (pea and buckwheat sizes) sent to market this year is 338,100 $\frac{1}{8}$ tons. The percentage of the whole

shipment in buckwheat coal has increased from $9\frac{52}{100}$ per cent. in 1891 to $12\frac{86}{100}$ per cent. in 1892. The quantities and percentages of small coal sent to market in each of the last four years were as follows:

	PEA COAL.			BUCKWHEAT COAL.			PEA AND BUCKWHEAT COAL.		
	Tons.	Cwt.	Per cent. of Shipment.	Tons.	Cwt.	Per cent. of Shipment.	Tons.	Cwt.	Per cent. of Shipment.
1892	148,816	18	9.95	189,283	04	12.66	338,100	02	22.61
1891	170,992	02	11.91	137,622	14	9.59	308,614	16	21.50
1890	139,498	18	10.68	125,350	13	9.60	264,849	11	20.28
1889	182,451	18	14.13	88,413	14	6.85	270,865	12	20.98

The proportions of large and small coal sent to market from each colliery were as follows:

COLLIERY.	Chestnut Coal and Larger, Per cent.	Pea Coal, Per cent.	Buckwheat Coal, Per cent.
Packer No. 5.....	67.19	13.23	19.58
William Penn.....	67.53	8.57	23.90
Packer No. 4.....	70.96	13.19	15.85
Packer No. 3.....	72.06	9.18	18.76
Packer No. 2.....	72.82	11.43	15.75
West Bear Ridge.....	81.85	8.65	9.50
Hammond.....	82.03	10.60	7.37
Kehley's Run.....	82.47	12.46	5.07
East Bear Ridge.....	82.59	8.44	8.97
Girard.....	82.62	9.55	7.83
North Ashland.....	86.65	8.99	4.36

The royalty upon the 1,495,376 $\frac{5}{8}$ tons of coal sent to market has been 41 $\frac{5}{8}$ cents per ton.

The royalty upon the total production, 1,688,263 $\frac{5}{8}$ tons, sent to market and consumed in mining operations, has been 36 $\frac{3}{8}$ cents per ton.

The importance of the increase in the quantity of small coal shipments will be appreciated when it is noted that this small coal was formerly thrown aside as refuse, and that, taken with the coal consumed in operating engines, now almost wholly small coal, it amounts for this year to 530,987 $\frac{3}{8}$ tons.

The coal mined twenty-six years ago to make a shipment of 424,377 tons, which was the shipment of 1866, when pea and buckwheat coal were thrown away as refuse, makes a shipment to market now of 548,380 tons, beside furnishing 70,730 tons for generating steam instead of the 25,463 tons required at that time. This increase of 29 $\frac{3}{8}$ per cent. is, of course, wholly in small coal, although substituting small coal for the large coal formerly used in operating the collieries has released the large coal for shipment to market, and thus increased the shipment of large coal also.

The results of certain examinations and calculations made for the purpose of estimating the quantity of marketable coal in the refuse banks on the Estate and of coal wasted in mining, published in pamphlet for the information and use of the Directors of City Trusts upon the occasion of their annual inspection of the coal lands in Schuylkill and Columbia Counties in 1892, will be found appended to this report.

The colliery improvements have been maintained in good condition. New work has been opened to take the place of the old as exhausted.

Seven miles and a quarter of gangway have been driven, with the accompanying airways, headings, and breasts. Tunnels have been driven at Packer No. 5 Colliery to the Seven Feet bed, and at William Penn Colliery to the Orchard bed.

A production of from twelve to fifteen hundred thousand tons, according to the demands of the market, may be counted upon for the year 1893.

The production of each colliery for this and each preceding year since its first opening is given in the following tables.

A brief detailed statement of the condition of mining operations under each lease is also given, along with a summary of timber, surface lot and farm leases, forest culture and taxes.

ANNUAL PRODUCTION OF THE SEVERAL COLLIERIES OF THE GIRARD ESTATE.

PRESENT TENANTS.	1863.		1864.		1865.		1866.		1867.		1868.		1869.		1870.		1871.		1872.	
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1 Philadelphia & Reading Coal & Iron Co., Hammond Colliery, } Conser Colliery, }	40,768	15	84,446	04	66,775	03	90,550	04	76,817	04	68,413	16	67,476	11	59,700	01	118,007	12	98,813	09
2 Philadelphia & Reading Coal & Iron Co., Girard Colliery,	13,717	05	13,717	05	39,828	16	49,797	04	67,867	04	54,801	12	60,562	05	38,841	11	40,318	09	38,002	12
3 Philadelphia & Reading Coal & Iron Co., North Ashland Colliery,	15,388	00	15,388	00	36,503	19	47,249	19	49,361	18	48,374	08	45,042	07	41,109	18	44,561	17	53,444	10
4 Lehigh Valley Coal Co., Packer No. 2 Colliery, } Packer No. 4 Colliery, }	1,523	04	1,523	04	36,410	10	33,544	12	39,327	13	39,507	10	71,858	07	81,154	10	80,901	09	60,688	16
5 Lehigh Valley Coal Co., Continental Colliery,	2,750	04	2,750	04	24,017	17	38,774	14	43,276	10	37,004	04	31,440	02	37,653	04	73,623	08	82,203	07
6 Lehigh Valley Coal Co., Packer No. 5 Colliery,					22,430	19	55,439	04	95,436	03	117,414	00	112,666	11	125,695	17	121,626	10	121,162	17
7 Philadelphia & Reading Coal & Iron Co., West Bear Ridge Colliery,					10,090	17	44,606	03	43,818	13	19,328	18	4,654	19	536	02	2,340	14	4,630	11
8 Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery,																				
9 William Penn Coal Co., William Penn Colliery,					9,085	05	59,015	00	65,448	11	26,295	01	27,002	10	35,363	13	53,558	13	85,602	18
10 Thomas Coal Co., Kehley's Run Colliery,					2,372	17	10,139	08	35,143	06	18,035	00	67,040	09	79,585	19	68,554	01	100,837	04
11 Lehigh Valley Coal Co., Packer No. 3 Colliery,							1,080	11	10,410	03	5,712	13	4,000	00	3,002	04	17,404	05	53,344	06
	40,768	15	117,804	17	240,466	03	484,376	19	517,007	05	451,787	02	492,644	01	477,098	19	621,016	18	700,750	10

ANNUAL PRODUCTION.—Continued.

PRESENT TENANTS.	1872.		1873.		1874.		1875.		1876.		1877.		1878.		1879.		1880.		1881.		1882.		1883.	
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1 Philadelphia & Reading Coal & Iron Co., Hammont Colliery, } Conner Colliery, }	140,666 08		146,619 12		123,035 17		114,558 01		121,146 04		121,146 04		99,015 00		116,681 17		70,469 19		97,311 19		93,238 13		117,278 16	
									102,639 04		102,639 04		74,671 07		130,651 07		105,293 19		134,660 01		133,768 10		147,261 01	
2 Philadelphia & Reading Coal & Iron Co., Girard Colliery, }	33,276 05		48,797 19		45,969 13		66,991 01		95,043 07		95,043 07		67,573 07		101,877 10		80,947 07		69,165 00		102,761 08		81,369 00	
3 Philadelphia & Reading Coal & Iron Co., North Ashland Colliery, }	89,421 22		50,326 16		56,469 04		35,076 10		38,685 09		38,685 09		70,966 17		127,867 01		98,734 15		118,760 11		110,527 06		109,622 04	
4 Lehigh Valley Coal Co., Pecker No. 2 Colliery, }	149,866 15		137,243 00		60,994 14		110,118 03		89,129 12		89,129 12		88,544 19		144,138 01		117,622 12		146,751 04		98,277 00		111,679 12	
								201,860 01	201,860 01		201,860 01		118,790 04		244,241 78		167,100 01		200,760 07		218,773 09		205,466 19	
5 Lehigh Valley Coal Co., Continental Colliery, }	69,731 14		54,847 09		48,261 12		59,612 18		75,228 73		75,228 73		93,048 16		207,233 12		79,361 12		60,124 14		16,802 74		63,966 19	
6 Lehigh Valley Coal Co., Pecker No. 5 Colliery, }	89,116 13		45,504 07		46,003 03		59,871 09		85,055 08		85,055 08		60,289 08		85,297 03		64,598 11		81,563 19		61,469 48		48,507 13	
7 Philadelphia & Reading Coal & Iron Co., West Bear Ridge Colliery, }	39,076 08		71,897 04		40,311 14		47,336 06		23,517 15		23,517 15		44,520 05		89,337 08		73,431 19		63,396 18		70,130 16		79,234 09	
8 Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery, }			71,881 04		40,311 14		47,336 06		85,001 19		85,001 19		51,144 16		30,026 18		64,549 07		74,750 10		77,614 15		106,304 09	
9 William Penn Coal Co., William Penn Colliery, }	140,796 14		146,357 00		106,639 17		118,209 13		164,476 13		164,476 13		120,354 18		179,445 09		173,212 14		221,269 05		227,269 15		228,269 19	
10 Thomas Coal Co., Kehley's Run Colliery, }	99,314 19		87,799 03		65,466 18		89,368 00		68,895 07		68,895 07		100,520 19		151,266 11		80,095 00				79,645 07		115,311 16	
11 Lehigh Valley Coal Co., Pecker No. 3 Colliery, }	65,628 07		97,449 11		67,280 19		75,747 13		117,170 11		117,170 11		83,057 15		111,487 03		74,723 16		169,078 09		157,966 10		155,528 15	
	911,030 15		967,697 03		704,545 05		806,460 00		1,118,760 07		1,118,760 07		1,040,038 09		1,260,747 14		1,253,685 06		1,419,990 19		1,451,305 03		1,597,085 06	

ANNUAL PRODUCTION.—Continued.

PRESENT TENANTS.	1884.		1885.		1886.		1887.		1888.		1889.		1890.		1891.		1892.		TOTAL.	
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1 Philadelphia & Reading Coal & Iron Co., Hammond Colliery, Conner Colliery,	95,794 10 135,867 17	114,141 18 130,089 00	69,834 17 35,568 11	124,172 10 68,494 08	163,730 17 151,040 06	159,403 10 894 08	130,605 09 72,518 13	171,013 18 106,210 04	199,518 07 118,366 12	160,097 02 118,094 01	150,097 02 118,094 01	160,097 02 118,094 01	150,097 02 118,094 01	160,097 02 118,094 01	150,097 02 118,094 01	160,097 02 118,094 01	150,097 02 118,094 01	160,097 02 118,094 01	4,475,378 01	1,726,071 11
2 Philadelphia & Reading Coal & Iron Co., Girard Colliery,	59,068 02	69,834 17	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
3 Philadelphia & Reading Coal & Iron Co., North Abland Colliery,	102,116 19	124,172 10	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
4 Lehigh Valley Coal Co. Packer No. 2 Colliery, Packer No. 4 Colliery,	128,336 03 206,504 02	83,854 04 206,400 14	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
5 Lehigh Valley Coal Co., Coastal Colliery,	60,538 02	1,712 01	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
6 Lehigh Valley Coal Co., Packer No. 5 Colliery,	34,172 13	2,032 01	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
7 Philadelphia & Reading Coal & Iron Co., West Bear Ridge Colliery,	45,008 15	10	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
8 Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery,	70,704 05	2,422 02	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
9 William Penn Coal Co., William Penn Colliery,	233,157 15	249,114 13	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
10 Thomas Coal Co., Kelley's Run Colliery,	210,284 17	206,809 09	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
11 Lehigh Valley Coal Co., Packer No. 3 Colliery,	122,182 00	146,163 03	35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
12 Philadelphia & Reading Coal & Iron Co., Knickerbocker Colliery,			35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
13 Theobald & Kester, Harrison Colliery (Washery),			35,568 11	124,172 10	163,730 17	159,403 10	130,605 09	171,013 18	199,518 07	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	150,097 02	160,097 02	4,475,378 01	1,726,071 11
	1,406,516 00	1,421,133 05		1,401,895 14	1,054,881 20	1,247,453 14	1,302,308 00	1,373,097 11	1,435,036 19	1,495,376 05	1,401,895 14	1,302,308 00	1,373,097 11	1,435,036 19	1,495,376 05	1,401,895 14	1,302,308 00	1,373,097 11	88,461,426 01	33,182 08

PRESENT TENANTS.

	Total Cost	Royalty	House Rents.	Total Income
Philadelphia & Reading Coal and Iron Co., Hammond Colliery.....	374,718 04	\$73,584 00	\$697 00	\$74,281 00
Philadelphia & Reading Coal and Iron Co., Glend Colliery.....	181,617 19	31,228 48	186 00	31,414 48
Philadelphia & Reading Coal and Iron Co., North Ashland Colliery.....	180,184 19	76,378 64	624 00	76,999 64
Philadelphia & Reading Coal and Iron Co., East Bear Ridge Colliery.....	164,344 04	76,322 77	186 00	76,508 77
Philadelphia & Reading Coal and Iron Co., West Bear Ridge Colliery.....	74,697 11	31,594 76	484 38	32,079 10
Lehigh Valley Coal Co., Packer No. 2 and No. 4 Collieries.....	197,866 01	76,814 98	891 00	77,705 98
Lehigh Valley Coal Co., Packer No. 3 Colliery.....	188,096 14	70,497 33	186 00	70,683 33
Lehigh Valley Coal Co., Packer No. 5 Colliery.....	37,106 17	11,207 50	843 00	12,050 50
Lehigh Valley Coal Co., Continental Colliery.....	.....	3,000 00	624 00	3,624 00
William Penn Coal Co., William Penn Colliery.....	253,283 17	61,343 30	807 00	62,150 30
Thomas Coal Co., Kabley's Run Colliery.....	119,049 11	30,244 57	624 00	30,868 57
Theobald & Kester, Harrison Colliery.....	461 04	23 06	.....	23 06
Total.....	2,497,400 07	\$618,496 35	\$5,428 38	\$623,924 73

MINING OPERATIONS.

LEASE NO. 1.—HAMMOND COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—This completes the thirtieth year of the life of this colliery, in each of which it has maintained a fair production, its largest yield being 265,059 $\frac{1}{8}$ tons, in 1883, when it had two breakers. Its total production has been 4,475,378 $\frac{3}{8}$ tons, which is an average of 149,179 $\frac{5}{8}$ tons a year for thirty years. Its yield this year is 169,991 $\frac{3}{8}$ tons. The number of days worked during the year has been 205, and the average shipment to market 829 tons for each working day.

The coal is mined chiefly from the second lift below water level, from which the first coal was hoisted in September, 1889; although the Buck Mountain bed, above water level, opened thirty years ago, continues to yield a fair product, having produced this year nearly ten thousand tons. The coal beds worked are the Buck Mountain, the Mammoth Bottom-split, the Mammoth Top-split and the Holmes. The bulk of the coal comes from the Mammoth bed, the Holmes bed contributing one quarter and the Buck Mountain a fifth of the total. Two thousand yards of gangway were opened in these seams in fresh coal. Lying above these are three large beds, the Primrose, the Orchard and the Diamond, with several other smaller seams, which will have to be worked immediately to save the coal contained in them from being lost by the breaking of the measures enclosing them.

A small addition was made to the breaker for the accommodation of six jigging machines, with the necessary elevators and extra engine, for the better cleaning and saving of the small coal. Two pumps were placed on Ravens' Run Creek to furnish water for the jigging and washing of the coal. A large duplex pump, placed in the pump room on the second slope level for the drainage of the mine, lifts the water direct to the surface.

LEASE NO. 2.—GIRARD COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—The mining of the Mammoth coal in the trough of this narrow basin has now reached the western lease limit, and will reach the eastern lease limit by the close of the next year.

The opening of the Buck Mountain bed on the north side of the basin, which was cut by a tunnel from the Mammoth on the second slope level in July, 1891, now that an airway is established for ventilation, will proceed more rapidly. The coal of this seam is in some places excellent, in others variable and faulty. This, however, is characteristic of the Buck Mountain bed. A thousand yards of gangway have been driven, three hundred of which were in the Buck Mountain bed and seven hundred in the Mammoth.

One tenth of the coal is now produced by the Buck Mountain and nine tenths by the Mammoth bed. The average production for each working day has been 589 tons. The days worked have been 102.

The mining of coal in a narrow basin from a coal bed more than thirty feet thick, inclined sixty to seventy degrees from the horizontal, with anything approaching thoroughness, has not yet been attained in mining practice in this country. A recent estimate of the original content of the area worked over and exhausted at this colliery shows

18 $\frac{4}{100}$	per cent. of the coal shipped to market.
3 $\frac{1}{100}$	“ “ used in operating the colliery.
3 $\frac{1}{100}$	“ “ thrown aside as refuse in dirt banks.
74 $\frac{4}{100}$	“ “ left in the ground.

The difficulties attending the mining of this coal are exceptional. Not only is the pressure from above greatly increased by the wedge shape of the measures overlying the coal, but the tendency of the measures lying in the angle of the wedge below the gangway level to press the gangway floor upward is a constant source of expense and danger. In one place the floor of the gangway has risen and been lowered a few feet at a time until it has been cut down sixty-six feet. It is only kept from closing entirely by heavy timbers,

sills, legs and collars, framed into place and enclosing the whole gangway. This same territory will undoubtedly be worked over again, and more coal be won in the reworking than has been obtained in the original opening. The production of this year is 118,924 $\frac{1}{2}$ tons, which may be increased during the coming year.

LEASE NO. 3.—NORTH ASHLAND COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—The work of the past year has been in the Mammoth bed on the second level of the slope, and in the Buck Mountain bed on the first slope level. The production is 178,063 $\frac{5}{8}$ tons, an increase of 53,431 $\frac{2}{8}$ tons over the previous year. Fifty-two per cent. of the coal comes from the Mammoth and forty-eight per cent. from the Buck Mountain. Twelve hundred yards of gangway have been driven, nine hundred of which have been in the Mammoth bed on the second slope level, and three hundred in the Buck Mountain bed on the counters of the first slope level. The colliery has worked 210 days, and the average shipment to market for each working day has been 849 tons.

Foundations have been built for new and larger hoisting engines, and six new boilers have been added to the plant.

LEASE NO. 4.—PACKER NO. 2 AND PACKER NO. 4 COLLIERIES.—*Lehigh Valley Coal Company, Lessee.*—The two collieries occupying the ground covered by this lease have alternated in their production for several years past, the one making an increased product sufficient to balance the decreased yield of the other, so as to maintain the shipment each year about 200,000 tons. The product this year is 203,666 $\frac{5}{8}$ tons.

PACKER NO. 2 COLLIERY has opened twelve hundred yards of new gangway in the Holmes bed and two hundred in the Top-split Mammoth. The coal produced has come largely, also, from the Holmes, though the Top-split Mammoth and Bottom-split Mammoth have

contributed almost an equal proportion. Work has been prosecuted on the second, third and fourth levels, though four fifths of the coal has come from the second and third levels. The mining of the coal beds lying above the Holmes, before the strata enclosing them shall be broken by the settling of the measures upon the removal of the coal from the lower seams, is now receiving the consideration of the lessee, and will doubtless be undertaken early next year. The colliery has worked 210 days, and the average shipment to market for each working day has been 704 tons. The production of Packer No. 2 Colliery is 147,717 $\frac{2}{3}$ tons, an increase over the preceding year of 37,615 $\frac{1}{4}$ tons.

PACKER NO. 4 COLLIERY was idle during the first six months of the year, and during the last six has averaged but 14 $\frac{2}{3}$ working days in each month. Its shipment for each working day was 627 tons. The coal mined has come chiefly from the Buck Mountain bed and from the fourth and fifth levels, though the Holmes bed has produced a very small quantity on the third level, and the Mammoth a few thousand tons, about a seventh of the production, on the third, fourth and fifth levels.

LEASE NO. 5.—CONTINENTAL COLLIERY.—*Lehigh Valley Coal Company, Lessee.*—No coal has been mined under this lease since January, 1885, a period of eight years. During this period of idleness, the mine was kept free of water by pumps until, in 1891, connection was made with the Centralia drainage tunnel through a gangway in the Buck Mountain bed of Centralia Colliery. An independent water way has now been established, connecting the tunnel across the basin on the west line of the Girard Estate with the main Centralia drainage tunnel. The pumps and column-pipes formerly used for hoisting the water to the surface have been taken out, and the lower level has been allowed to fill with water. The only work done during the year has been the driving of an airway in the Buck Mountain bed, twelve hundred and forty yards east of the hoisting slope, five hundred and ninety-six feet in length from the gangway to the surface. The Holmes bed of this basin, lying

one hundred and forty-five feet above the Mammoth, belongs wholly to Continental Colliery lease, that over the Mammoth on the North Ashland Colliery side as well as that on the Continental Colliery side. The workings of North Ashland Colliery in the Mammoth bed are now extending under the Holmes bed and threatening a disturbance of the measures enclosing the latter. The lessee has in contemplation the immediate working of the Holmes bed to prevent the loss of its coal or any damage from this cause.

LEASE NO. 6.—PACKER NO. 5 COLLIERY.—*Lehigh Valley Coal Company, Lessee.*—Work was suspended at this colliery on the eleventh of February, and was not resumed until September nineteenth. The whole number of working days was 88. The average shipment for each working day was 697 tons. The coal mined comes about one half from that part of the mine which was formerly Packer No. 1 Colliery and one half from the shaft workings, or Packer No. 5 proper. Nearly eight hundred yards of gangway were driven, mostly in the Holmes bed, which has, however, produced but little more than a fifth of the coal. The bulk of the coal has come from the Mammoth, Top and Bottom splits and the Buck Mountain, with a very small quantity from the Seven Feet bed. A tunnel was commenced in April to connect the shaft counter level gangway in the Mammoth bed with the slope level gangway in the Buck Mountain bed, for the purpose of releasing the coal in the chain pillar under the Mammoth gangway on the slope level between the shaft and the slope. It has already cut the Seven Feet bed eighty yards under the Mammoth. On account of the slight dip of the measures and the great length of tunnel required, a gangway is being driven eastward in the Seven Feet bed, from which, at a suitable place, another tunnel will be driven southward to meet the Buck Mountain gangway extended west from the slope. A small addition has been made to the breaker for the accommodation of five more jigging machines, for the better cleaning and handling of the fine coal.

LEASE NO. 7.—WEST BEAR RIDGE COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—The shipments of coal

from this lease have largely increased, being 55,628 $\frac{1}{4}$ tons greater than last year, when coal mining was almost wholly suspended during the opening of the new lift. During this year seven hundred yards of gangway were opened, the vertical hole was completed from the surface to the third level, an eight inch pipe placed in it to carry steam to the pumps, a pump room was excavated out of the rock overlying the Mammoth bed, a pump way opened to the second level, and four of the lessee's smaller standard pumps were placed in it. A pair of new and more powerful hoisting engines was built in the place of the old ones and a new hoisting engine house erected.

The breaker, which prepares the coal from the East Bear Ridge Colliery lease adjoining, along with its own coal, worked 202 days, and shipped to market 1,180 tons a day for each working day. Only three tenths of this coal, however, was mined from the West Bear Ridge Colliery lease, seven tenths coming from East Bear Ridge lease.

LEASE NO. 8.—EAST BEAR RIDGE COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—This colliery, which was opened twenty years ago, with much hesitation and misgiving, by the extension of the tunnel first opened by Stephen Girard more than forty years before, has more coal in sight now than when thus reopened under lease from the Directors of City Trusts and is to-day one of the best producing collieries on the Estate. Half of the coal mined comes from the Mammoth bed and half from the Buck Mountain. Eight tenths of the product has been mined above water level and three tenths of the whole has come from the Mammoth bed above water level. Twelve hundred yards of gangway were opened, seven hundred of which were in the Buck Mountain bed above water level and five hundred below water level in the Mammoth bed. On November twelfth all work in the slope was discontinued for an indefinite time, or until the cutting out of the pillars in the east gangway of the Mammoth bed above water level is completed, which will permit the drawing down of the chain pillar supporting this gangway and

call for and admit of a larger production from the slope without additional expense for hoisting, and reduce to a minimum other expenses of underground transportation and supervision. A pump room was excavated in the rock underlying the Mammoth bed on the slope level, and an air shaft was sunk on the top of Bear Ridge, forty-five feet deep, to the Buck Mountain bed.

LEASE NO. 9.—WILLIAM PENN COLLIERY.—*William Penn Coal Company, Lessee.*—This lease was transferred on May first, 1892, by George Brooke and the Estate of Edward Brooke, to Stickney and Conyngham. Its yield this year is 219,530 $\frac{1}{2}$ tons. The coal mined has come from the different levels in proportions, as follows:

From above water level.....	42 per cent.
From the shaft level.....	15 "
From the No. 1 slope level.....	26 "
From the No. 2 slope level.....	17 "

The Buck Mountain bed has yielded	53 per cent. of the total product.
The Mammoth	" " 40 " " "
The Holmes	" " 7 " " "

Eleven hundred yards of gangway have been driven. The slope in the Buck Mountain bed, which had been opened from the lowest water level down to the No. 1 slope level at the end of last year, is now extended 530 feet below this level. Gangways will immediately be turned, air ways established, a pump way driven and breasts opened for the mining of the two lifts of Buck Mountain coal thus opened. The tunnel driven from the Holmes to the Primrose bed some years ago has been extended one hundred and sixteen feet to the Orchard bed, which is ten feet and two inches thick, with seven feet and two inches of good coal. Another tunnel, to cut the same bed, is proposed to be driven from the Top-split of the Mammoth on the No. 1 slope level, if it can be reached without an excessive grade, the syn-

clinal axis of the basin of this coal seam being above the No. 2 slope level. These extensions and improvements underground will enable the colliery to maintain its production for many years. The surface plant will be largely built up anew. The erection of a new breaker was commenced in September, which will be completed with new boilers and hoisting plant for the Buck Mountain slope early in the year. The Girardville Railroad Company, recently chartered in the interest of the Pennsylvania Railroad Company, is building a line of road to connect the colliery with the Shenandoah and Frackville Branch of the Pennsylvania Schuylkill Valley Railroad, over which the coal will be carried to Philadelphia.

LEASE NO. 10.—KENLEY'S RUN COLLIERY.—*Thomas Coal Company, Lessee.*—The operation of this colliery has been remarkably uniform for ten years past. In that period it has never spurted, but has maintained steadily its rate of production of about 117,500 tons a year, or 500 tons for every working day. This year its shipment has somewhat exceeded this average, being 120,308 tons. Its new extensions underground are all upon the second level of the slope, although a small yield, ten per cent. of the total, still comes from the first level. The gangway extensions have all been on the second level of the slope, being eighty-four per cent. of the fourteen hundred and five yards driven in the Buck Mountain and Seven Feet beds and sixteen per cent. in the Mammoth. The latter coal bed continues, however, to produce the greater proportion of the coal, sending out fifty five per cent. of the total product against forty-five per cent. from all other seams. The production of next year will probably be about the same.

LEASE NO. 11.—PACKER NO. 3 COLLIERY.—*Lehigh Valley Coal Company, Lessee.*—The shipment to market is 185,862 $\frac{1}{2}$ tons, the largest ever made by the colliery, and the second largest on the Estate for this year. Mining operations are carried on upon seven levels and in three coal beds, the Mammoth, Seven Feet and

Buck Mountain. On the second, fourth and sixth levels tunnels connect the workings in the different beds. On the intermediate levels, the first, third and fifth, the coal is mined from counter gangways and dumped into counter chutes, through which it is sent to the loading chutes on the gangway below.

Of the two thousand yards of gangway driven,

46 per cent. was opened on the second level,

30 per cent. on the sixth,

17 per cent. on the first, and

7 per cent. on the seventh level,

one half of the whole being in the Buck Mountain and the other half equally divided between the Seven Feet and Mammoth beds. The coal mined has come from the different beds nearly in these latter proportions:

The sixth level is now yielding 48 per cent. of the product.

" second "	" "	" "	15	" "
" first "	" "	" "	14	" "
" fourth "	" "	" "	13	" "
" fifth "	" "	" "	6	" "
" third "	" "	" "	4	" "

The colliery has worked two hundred days, and shipped 904 tons of coal each working day.

LEASE NO. 12.—HARRISON COLLIERY.—CULM BANKS ON THE JOHN ALEXANDER TRACT.—*Joseph Theobald and John A. Kester, Lessees.*—This operation has been idle the whole of this year excepting a few weeks in June and July, in which 461 $\frac{4}{10}$ tons of coal were shipped to market.

TIMBER LEASES.—A lease of one hundred and twelve acres of the Charles Cochran tract was made to Isaac A. Blew, and the right to cut timber on the No. 4 Farm on the Joseph Evans tract was renewed to Peter Dresher and James A. Bankes.

The receipts from the sales of timber were two thousand four hundred and fifteen dollars and twenty-five cents (\$2,415.25).

LOT LEASES AND FARM LEASES returned an income of four thousand one hundred and seventy-four dollars and fifty seven cents (\$4,174.57).

GIRARDVILLE TOWN LOT SALES paid in installments of purchase money and interest on mortgages one thousand and forty-four dollars and six cents (\$1,044.06).

MISCELLANEOUS RECEIPTS from sales of stone and sand were one hundred and fifty-seven dollars and ninety cents (\$157.90).

WATER PIPE LINES paid a rental of seventy-five hundred dollars (\$7,500.00).

FARM IMPROVEMENTS IN THE CATAWISSA VALLEY.—The farms now erected and furnished with houses and barns, leased and partly under cultivation, are as follows:

Farm.	Tract.	Farm Tenant.	Acres.
No. 1.	Joseph Evans.	Peter C. Barron.	100
No. 2.	Thomas Davison.	Isaac A. Blew.	113
No. 3.	Joseph Evans.	John Borlace.	111
No. 4.	Joseph Evans.	William H. George.	108
No. 5.	Joseph Evans.	Samuel Eisenhauer.	117
No. 6.	Thomas Davison.	Isaac A. Blew.	113

A large portion of each of these farms is sprout land uncleared. The lessee pays a small rental, and is required to farm, cultivate, and supply fertilizers to improve the soil under cultivation, and to clear and bring under cultivation a certain additional area annually. As the cleared area is very small on several of the farms, it has been deemed best to assist the tenant in some cases by clearing and bringing under cultivation additional land for his use, in order as speedily as possible to bring the whole area of each farm under cultivation.

A new farm has been laid out and enclosed in fence, comprising 117 acres of the John Lockhart tract lying between the Catawissa branch of the Philadelphia and Reading Railroad and the north

line of the Lockhart tract. It lies convenient to the railroad, and to the markets of Mahanoy City and Shenandoah, and will make an attractive farm.

The improvements proposed for next year are an addition to the barn of No. 2 farm; the clearing of sprout land on the Nos. 4, 5 and 6 farms; the extension of fencing on the exterior tract lines and on lines of farm division, and the making and repairing of private roads opened for the benefit of the farm tenants.

FOREST CULTURE.—The forest tree plantation, established twelve years ago on the James Howell tract on the top of the North Mahanoy mountain, by the side of the No. 2 reservoir of the Girard Water Company, and extended year after year along the banks of Lost Creek, has been further extended on the water shed of this stream by the planting in April and May of 30,000 European Larch, 10,000 Catalpa and 5,000 Scotch Pine trees. Ten thousand of the Larches were furnished without charge, and were planted in place of that number which were lost through defective packing the year previous. The trees set out this year, as well as those planted in former years, have done well and made a good growth this year.

The Legislature of the State, at its session of 1887, passed "An Act for the Encouragement of Forest Culture and Providing Penalties for the Destruction of Forests," requiring county commissioners to pay a bounty of forty-five cents per acre, not exceeding ninety per cent. of the taxes, for planting forest trees not less in number than twelve hundred to the acre, for a period of ten years, with a similar bounty at a reduced rate for a second and third period. While this bounty is inconsiderable, it was deemed of importance, for the encouragement of forest culture by others, and for the credit of the county as well as of the Estate, that an account should be filed of the claim of the Girard Estate under this act. The bill, which amounted to but thirty-eight dollars and fifteen cents (\$38.15), was accordingly presented to the county commissioners and paid. No other claim has ever been presented to the Commissioners of Schuylkill County under this act of Assembly.

An order has been placed for 20,000 European Larches, to be planted in April, 1893.

TAXES.—An unusually careful and thorough revision of the assessments of all properties subject to taxation in Schuylkill County was made by the county commissioners at the triennial assessment of this year. In this revision the coal lands of the county were largely raised in value. The Girard Estate in Schuylkill County is therefore rated this year at a much higher valuation than heretofore. The tax rates in some cases are reduced, in others no reduction has been made in the tax levies, while in some, with a largely increased valuation for tax purposes, the tax levies are even increased. The Butler Township School Board continues to levy the full limit allowed by law for school purposes, viz.,—thirteen mills, and in addition has illegally levied three mills for the payment of debts contracted for school purposes, which the taxpayers of the township will refuse to pay.

The road-tax of Conyngham Township was worked out upon the township roads. West Mahanoy and Butler Townships levied no road taxes, the roads being kept in repair by the taxpayers under the direction of the Township Supervisors.

The rates of tax for various purposes, with the total tax of the Girard Estate at the rates laid, are given in the following table for the different boroughs and townships in Schuylkill and Columbia Counties for the years 1892 and 1891.

Township or Borough	Borough or Road.	Special Road.	School	County.	Poor	1892. Total Mills.	1891. Total Tax.	1891. Total Tax.
Conyngham	4½ mills	12	13	2½	12	15½	\$1,392 68	\$1,731 78
Lehigh	4½	13½	13	4½	12	22½	9,497 00	11,091 44
Mahanoy	3	18	13	4½	12	23½	24,133 37	20,668 97
Mohawk	3½	17	13	4½	12	27½	44,127	1,050 35
Northampton	3½	4	13	4½	12	12	900 00	1,044 80
Union	2	10	13	4½	12	24½	538 04	327 90
Shelton	10	14	13	4½	12	26½	1,371 11	1,176 78
Bartholomew	6	11	13	4½	12	23½	1,737 74	1,600 21
Lehigh	8	15	13	4½	12	27½	1,070 30	1,008 84
Spring Creek	5	13½	13	4½	12	24½	1 38	8 40
Lehigh	3	9	13	4½	12	20½	14 95	17 37
Lehigh	20	18	13	4½	12	34½	6 89	15 73

\$63,004 69 \$44,253 91

I take pleasure in acknowledging my indebtedness to Solicitor Kaercher for valuable counsel in situations, not infrequent, of perplexity and difficulty, to Assistant Superintendent Wagner for his valuable assistance in the care of farms, roads and surface interests, and to Mine Inspector Granger for his vigilant inspections and judicious reports upon colliery plant and mining operations.

Very respectfully yours,

HEBER S. THOMPSON,

Engineer Girard Estate.

POTTSVILLE, PA., *December 31, 1892.*

NOTES
ON
WASTE IN MINING AND PREPARING COAL
AND ON THE
PERCENTAGE OF COAL WON
AT REPRESENTATIVE COLLIERIES ON THE
GIRARD ESTATE.

*From the report of HEBER S. THOMPSON, Engineer Girard
Estate, to the Board of Directors of City Trusts,
October 3, 1892.*

GIRARD ESTATE.

HEBER S. THOMPSON,
Room 14, MONROE BUILDING.

OFFICE OF ENGINEER AND AGENT
FOR SCHUYLKILL AND COLUMBIA COUNTIES.

POTTSVILLE, PA., October 3, 1892.

GENERAL LOUIS WAGNER, *Chairman Committee on the Girard
Estate without the City, Philadelphia, Pa.*

DEAR SIR:

* * * * *

COAL WASTED IN CULM BANKS.

Hammond Colliery Culm Banks.

The measurements of banks and tests of weight of material and proportions of coal, slate and refuse, made in August, 1892, show the total content of Hammond Colliery culm banks (not including the rock banks, 550,922 cubic yards) to be 1,972,090 cubic yards.

The coal and culm, used in filling excavated spaces in the mines and carried away by the action of the elements, is estimated to be 20 per cent..... 394,418 cubic yards.

Total coal, culm and refuse deposited. 2,366,508 cubic yards.

Taking the weight of the culm banks, as determined by the tests annexed, at 1,941.75 pounds per cubic yard (or one ton per 1.15 cubic yards), the weight of the culm banks, including that used in filling and washed away will be 2,057,833 tons.

The marketable coal in the culm banks appears by the accompanying tests to be 42 per cent. of the content..... 864,290 tons,
 of which 19.94 per cent. is large coal (or such as will not go through a $\frac{5}{8}$ -inch screen mesh), viz:..... 172,339 tons
 and 80.06 per cent. is small coal (or such as will pass through a $\frac{5}{8}$ -inch screen mesh and will be retained by a screen of $\frac{3}{8}$ -inch mesh), viz. : 691,951 tons
 ————— 864,290 tons.

Whether the lighter specific gravity of the coal has carried it, in being deposited, toward the edges of the banks, so as to show by these tests a greater proportion of coal and less of slate and heavier refuse near the surface than in the interior of the banks, can only be determined by the re-working of the banks. It is not likely that the percentage of the whole banks will vary much from that shown by the tests made.

The total shipment of coal from the Hammond Colliery lease from 1863, the first year of its operation, to August, 1892, is 4,403,707 tons. The coal thrown away in its dirt banks has therefore been equivalent to 19.62 per cent. of its shipment to market (3.91 per cent. large and 15.71 per cent. small coal).

The coal in the Hammond dirt banks, *on the ground now*, is (42 per cent. of ^{1,975,000}_{4,713}) 720,242 tons, equivalent to 16.35 per cent. of the total shipments of coal to market from the first operation of the colliery. Of this coal, 3.26 per cent. of the shipments, 143,616 tons, is large coal and 13.09 per cent. of the shipments, 576,626 tons, is small coal.

The total shipment of coal from all the collieries on the Girard Estate from their opening to January 1, 1892, has been 26,953,328 tons.

Taking the proportion of coal thrown aside as refuse by the other collieries to be the same as that thrown aside by Hammond Colliery, the coal in the culm banks on the Girard Estate, or washed down by the elements and carried away by the streams has been 5,288,243 tons. The proportion washed away is greater at most of the other collieries than at Hammond Colliery.

The coal in the Hammond Colliery banks *on the ground now*, being 16.35 per cent. of the total shipments, it is safe to estimate that an amount equal to ten per cent. of the total shipments of coal from the Girard Estate collieries from their opening to the first of January, 1892, still remains on the ground in the culm banks, viz.: 2,695,333 tons, which may be recovered by the reworking of the banks.

The tests of Hammond Colliery culm banks made by Mr. John B. Granger, Mine Inspector of the Girard Estate, August 15, 1892, are as follows, viz.:

First sample; bank dumped in 1872.

Weight of a cubic foot.....	71 lbs.
Containing of dirt.....	30.5 lbs.
“ slate	7.0 lbs.
“ large coal.....	5.0 lbs.
“ small coal	28.5 lbs.
—	33.5 lbs.
	71 lbs.

Second sample; bank dumped in 1877.

Weight of a cubic foot.....	71.5 lbs.
Containing of dirt.....	25.75 lbs.
“ slate	12.50 lbs.
“ large coal	5.25 lbs.
“ small coal	28.00 lbs.
	<u>33.25 lbs.</u>
	71.5 lbs.

Third sample; bank from old Conner breaker, which prepared only Buck Mountain Bed coal, deposited about 1885.

Weight per cubic foot.....	70 lbs.
Containing of dirt.....	19.75 lbs.
“ slate	15.75 lbs.
“ large coal.....	9.50 lbs.
“ small coal	25.00 lbs.
	<u>34.50 lbs.</u>
	70 lbs.

Fourth sample; bank dumped in 1888.

Weight per cubic foot.....	70.5 lbs.
Containing of dirt.....	20.75 lbs.
“ slate	17.50 lbs.
“ large coal.....	9.50 lbs.
“ small coal	22.75 lbs.
	<u>32.25 lbs.</u>
	70.5 lbs.

Fifth sample; bank dumped in 1891.

Weight per cubic foot.....	80 lbs.
Containing of dirt.....	24.50 lbs.
“ slate	36.75 lbs.
“ large coal.....	5.00 lbs.
“ small coal	13.75 lbs.
	<u>18.75 lbs.</u>
	80 lbs.

Sixth sample; bank from old McMichael breaker, deposited about 1866.

Weight per cubic foot.....	68.5 lbs.
Containing of dirt	29.5 lbs.
“ slate	9 5 lbs.
“ large coal.....	2.0 lbs.
“ small coal	27.5 lbs.
	— 29.5 lbs.
	68.5 lbs.
Average weight of culm bank per cubic foot	71.9166 lbs.
Average weight of culm bank per cubic yard.....	1,941.75 lbs.
Containing of dirt.....	35 per cent.
“ slate.....	23 per cent.
“ large coal.....	8.38 per cent.
“ small coal	33.62 per cent.
	— 42 per cent.

THE GROWTH IN THE USE OF SMALL SIZES OF COAL.

In coal leases on the Girard Estate granted prior to 1869, the smallest coal provided for under the size of stove coal was chestnut, which was taken to include all coal which would pass through a screen mesh one inch square. In the coal leases made in 1869, pea coal was first recognized and described as coal which would pass through a five-eighths of an inch screen mesh. This mesh is the pea-coal mesh of the present leases, and under them all coal is classed as pea coal which will not be retained by a five-eighths of an inch mesh.

Pea coal first appears returned separately on the railroad toll reports of the Girard Estate Collieries, in April, 1867, by Girardville (now Hammond) Colliery, Col. J. J. Conner, Lessee. Buckwheat coal first appears returned separately in August, 1878, by Hammond Colliery, the Philadelphia and Reading Coal and Iron Company, Lessee.

The quantity and percentage of large and small sizes of coal

shipped from the Girard Estate at five-year periods for the twenty years from 1871 to 1891, inclusive, is shown by the following table.

	Larger than Chestnut.			Chestnut.			Pea.			Buckwheat.		
	Tons.	cwt.	Per cent.	Tons.	cwt.	Per cent.	Tons.	cwt.	Per cent.	Tons.	cwt.	Per cent.
1871	899,604	15	62.64	227,717	08	15.86	170,992	02	11.91	117,622	14	9.56
1886	759,604	06	68.94	131,408	10	11.92	149,381	10	13.56	61,501	08	5.51
1881	1,073,869	15	75.63	159,687	04	11.24	158,711	03	11.18	27,722	17	1.92
1876	614,404	12	76.19	117,063	05	14.51	74,992	03	9.30			
1871	519,284	05	83.62	76,229	08	12.27	25,503	05	4.11			

The total shipment of coal from the Girard Estate in 1891 was 1,435,936 $\frac{1}{2}$ tons. In addition to this there were 188,026 tons of coal (almost wholly small coal), 13.09 per cent. of the shipments, consumed in generating steam for the operation of the collieries, making the actual production for the year 1891, 1,623,962 $\frac{1}{2}$ tons. Of this, 496,640 $\frac{1}{2}$ tons, 30.58 per cent. of the production, was small coal, now saved, but which prior to 1867 would have been thrown aside as refuse.

The pea and buckwheat coal shipped to market in 1891 from the collieries on the Girard Estate is shown by the above table to have been 21.5 per cent. of the total shipment.

The coal used for generating steam at the collieries, almost wholly small coal, was in 1891, 13.09 per cent. of their shipment to market. The proportion of coal used for steam purposes at the collieries increases with the depth and extent of the workings. In 1889 it was 10.04 per cent. of the shipments; in 1890, 12.33 per cent., and in 1891, 13.09 per cent. Six per cent. was formerly taken as a fair estimate.

The small coal wasted in 1866 would appear to have been that now used under boilers, say 6 per cent. of the shipments, and that now sent to market, 21.5 per cent. of the shipments, making

together 27.5 per cent. of the shipments. The 27.5 per cent. of the shipments including the small coal would be 37.93 per cent. of the shipments excluding the small coal.

The coal, therefore, thrown away on the refuse banks in 1866 was an amount equal to 37.93 per cent. of the shipment of that year.

The shipment from the Girard Estate collieries in 1866 was 424,376 $\frac{1}{2}$ tons, and the small coal therefore thrown aside as refuse on the Girard Estate in that year, appears to have been 160,966 tons, 37.93 per cent. of the shipment.

If these figures are applied to the total anthracite production of the State of Pennsylvania, and I think they may be with some approach to correctness, adding to the shipment of 1881, which was..... 40,448,336 tons, 13.09 per cent. for small coal used at the mines, 5,294,687 tons, will make the production of 1891..... 45,743,023 tons, of which 30.58 per cent. or 13,988,216 tons was small coal now saved and utilized, but which prior to 1867 would have been thrown aside as refuse.

By the same estimate the total small coal thrown away on the refuse banks in 1866 by the whole State was 37.93 per cent. of 12,703,882 tons, the shipment of that year, viz.: 4,818,582 tons.

The total shipments of anthracite coal prior to 1867 were 150,272,359 tons, in which the waste in small coal thrown away, 37.93 per cent., was 56,998,305 tons.

The total shipments of anthracite coal up to January 1, 1892, were 779,605,897 tons.

If the percentage of coal thrown aside in refuse banks and washed away by the streams at all the collieries in the State, is taken to have been the same as shown by the tests at Hammond Colliery, the total waste of coal in this way at the close of the year 1891 has been 19.62 per cent. of the shipments, viz.: 152,958,677 tons, of which about one-half, or 10 per cent. of the total shipments, may be *on the ground now*, the balance having been carried away by the streams.

LOSS OF COAL IN PILLARS LEFT UNMINED, ETC.

The loss of coal by the present methods of mining is still beyond what is reasonable, considering the intelligence and care bestowed upon mining and the experience of seventy years' operations. The loss in pillars left unmined for the support of shafts, slopes, gangways and airways which are intended and expected to be taken out, is much greater than is usually counted upon because a large production cannot be maintained at this stage of the work and the coal is sacrificed because it cannot be mined at a profit. And in the crush and settling of the roof rocks as an attempt is made to withdraw the coal, the loss is excessive, particularly in beds of great thickness. In such beds, and even in seams of moderate size, it is impossible to mine out the coal with any degree of thoroughness without filling the excavated spaces for the support of the roof, with material brought from the surface, which involves an expense which cannot be borne under present conditions.

After the mines have been worked and the strata over the coal have been broken and the excavated spaces closed with the fallen roof material, it is possible in many cases to open new gangways through territory already once worked and obtain as much coal as was obtained by the original mining operations. After the mines have been exhausted by the present methods of mining, they will undoubtedly be opened again and reworked.

I have thought proper to anticipate by this qualification the results shown by the following calculations of coal won at different collieries on the Girard Estate. The estimates of the per cent. of coal won in the territory worked over, given first below, were made by Mr. A. DW. Smith, Assistant Geologist of the State, for the Pennsylvania Coal Waste Commission, from bed sections and maps furnished him by me. The collieries, Girard, Hammond and Kehley's Run, were selected by me as representative of mining operations under different conditions.

Girard Colliery operations are in a steep and narrow basin, with its synclinal axis six hundred and thirty-six (636) feet below

the surface, its two Mammoth outcrops but eight hundred (800) feet apart and its measures pitching south 57 degrees and north 68 degrees toward each other.

Hammond Colliery operations are in measures pitching in one direction, favorably for thorough mining. Kehley's Run Colliery measures lie favorably for mining, but have their run interfered with disadvantageously by the property lines of adjoining owners, and have a Mammoth bed attaining a thickness in some places of fifty feet, which is most unfavorable for thorough mining.

HAMMOND COLLIERY.

P. & R. C. & I. Co., Operators.

Estimate of the per cent. of coal won from the commencement of mining, 1863, to December 1, 1891, made from the mine maps and information furnished by Heber S. Thompson, Engineer Girard Estate.

	Average dip.	Average thickness of bed.	Average thickness of coal.	Area worked. Surface acres.	Bed acres.	Prob. orig. content in tons.
Holmes.....	42°	13' 6"	10'	42.9	57.7	1,154,000
Mammoth Top.....	40°	13'	10' 8"	41.5	54.2	1,156,628
Mammoth Bottom...	35°	25'	18'	107.4	131.1	4,719,600
Buck Mountain.....	15°	11' 6"	8' 4"	306.2	347.0	5,283,122

Probable total original content of area 12,313,350 tons.

Shipments 1863, to December 1, 1891 4,288,157 tons.

The consumption of coal at this colliery to produce steam for the past three years has averaged 12.6 per cent. of the shipments. This has no doubt increased somewhat with the increased depth of the workings. Estimating that the average consumption at the colliery since the commencement of mining, 1863, has been 9 per cent. of the shipments, would make the total production to December 1, 1891, 4,674,091 tons, or 38 per cent. of the original contents.

Estimate of coal won, shipments and colliery consumption, 4,674,091 tons or 38 per cent.

The first buckwheat coal was shipped about 1878. The total shipments up to this time had been 1,649,706 tons. Were we to allow 10 per cent. of this, or 164,971 tons, for the buckwheat, had

it been made during the whole time, the total production would have been 4,839,062 tons, or 39.3 per cent. of the original content.

Estimate of coal won if buckwheat had been made from commencement of mining, 39.3 per cent.

The areas as given here have been mined over and the pillars robbed. The coal remaining in the pillars yet to be robbed in the comparatively small portion of the mine now in active operation, has been considered in the above estimate.

The thickness of the beds and coal as given are taken as the probable average thickness for the whole area exploited, including any faulty or crushed areas encountered.

Specific Gravity has been taken as 1.65, or 2,000 tons per acre, per foot in thickness.

Ten Specific Gravity determinations by McCreath of coal in this neighborhood average 1.658.

From the following measurements and estimates made by Mr. Thompson, of Hammond Colliery Culm Bank, I would draw the following inferences:

Mr. Thompson estimates that the Hammond Colliery has produced since the commencement of mining to August 1, 1892, 2,057,833 tons of culm.

The shipments to August 1, 1892, have been..... 4,403,707 tons.

Shipments to December 1, 1891, were..... 4,288,157 tons.

Shipments between December 1, 1891, and August 1, 1892, were..... 115,550 tons.

Estimating the culm produced between December

1, 1891, and August 1, 1892, as 30 per cent.

of the shipments, the production of culm in that time would have been..... 34,665 tons.

Hence the culm produced up to time of our esti-

mate, December 1, 1891, was..... 2,023,168 tons.

Mr. Thompson analyzes the culm bank as follows:

Dirt 35 per cent.

Slate 23 per cent.

Marketable coal..... 42 per cent.

100 per cent.

Were we to subdivide the dirt, calling 25 per cent. powdered coal and coal too small to market, and 10 per cent. refuse, the table would then show :

Coal and coal-dirt.....	67 per cent.
Refuse	33 per cent.
	<u>100 per cent.</u>

Taking 67 per cent. of the culm produced, as coal and coal-dirt, would give us 1,355,523 tons.

The following general distribution of the coal lost and won at the colliery can then be made :

Estimated original coal, contents of area exploited		12,313,350 tons.
Total production of coal shipment and colliery consumption.....	38 per cent.	4,674,091 tons.
Total coal and coal-dirt sent to culm bank.....	11 per cent.	1,355,523 tons.
Total coal and coal-dirt left in mine	51 per cent.	6,283,736 tons.
	<u>100 per cent.</u>	<u>12,313,350 tons.</u>

Mr. Thompson estimates that there are 720,242 tons of coal now (August 1, 1892) in the Hammond Culm Bank, which can be won by rescreening, say 715,000 tons, December 1, 1891. If this were added to the production up to that time, it would make a total of 5,389,091 tons, or 43.8 per cent. of the original content.

Estimate of coal won, including coal to be won by rescreening culm banks, 43.8 per cent., or 5,389,091 tons.

GIRARD COLLIERY.

P. & R. C. & I. Co., Operators.

Estimate of the per cent. of coal won from the commencement of mining, 1864, to March 1, 1892, made from the mine maps and information furnished by Heber S. Thompson, Engineer Girard Estate.

Name of bed.	Average dip.	Average thickness of bed.	Average thickness of coal.	Area worked, Surface acres.	Bed acres.	Prob. orig. content in tons.
Mammoth.....	{ 68° N 57° S	31''	22'6''	40.8	108.9	9,031,500
Buck Mountain.....		14'	9'	50.0 6.7	91.8 12.3	221,400

Probable total original content of area.....9,252,900 tons.

Shipments 1864, to March 1, 1892.....1,627,491 tons.

The consumption of coal to produce steam at this colliery for the past three years has averaged 31 per cent. of the shipments. This, of course, has increased somewhat with the increased depth of the workings. Estimating that 20 per cent. has been the average colliery consumption since mining commenced, 1864, would make the total production to March 1, 1892, 1,952,989 tons, or 21.1 per cent. of the original content.

Estimate of coal won, shipments and colliery consumption, 1,952,989 tons or 21.1 per cent.

The first buckwheat coal was shipped about 1878. The total shipments up to this time had been 732,797 tons. Were we to allow 10 per cent. of this or 73,280 tons for buckwheat, had it been made during the whole time, the total production would be 2,026,269 tons, or 21.9 per cent. of the original content.

Estimate of coal won if buckwheat had been made from commencement of mining, 21.9 per cent.

The areas as given have been mined over and the pillars robbed. The coal remaining in the pillars yet to be robbed in the comparatively small portion of the mine now in active operation has been considered in the above estimate.

The thickness of the beds and coal as given are taken as the probable average thickness of the whole area exploited, including any faulty or crushed areas that may have been encountered.

The mining operations in the Mammoth at this colliery are now in the bottom of the narrow and deep basin. The gangways are in the underlying Skidmore bed, tunnels being driven at short intervals to the basin of the Mammoth.

The estimate of the total coal in the area worked by this bed

includes that in the wedge at the axis of the basin, a large per cent. of which cannot be mined.

Specific Gravity is taken as 1.65, or 2,000 tons per acre, per foot in thickness.

Ten Specific Gravity determinations by McCreath of coal in this neighborhood average 1.658.

KEHLEY'S RUN COLLIERY.

Thomas Coal Co., Operators.

Estimate of the per cent. of coal won, made from the mine maps and information furnished by Heber S. Thompson, Engineer Girard Estate. This estimate embraces the time between the commencement of mining, 1865, to January 1, 1892.

Name of bed.	Average dip.	Average thickness of bed.	Average thickness coal.	Area worked. Surface acres.	Bed acres.	Prob. orig. content in tons.
Mammoth.....	35°	45'	30'	65.3	79.7	4,782,000
Skidmore.....	35°	7'	3'10''	21.0	25.6	196,275
Seven Feet	35°	7'	5'8''	53.9	65.8	745,777
Buck Mountain.....	35°	10'2''	7'	58.7	71.7	1,003,800

Probable total original content of area 6,727,852 tons.

Shipments 1865, to January 1, 1892. 2,266,337 tons.

The consumption of coal at this colliery to produce steam for the last three years has averaged 6.39 per cent. of the shipments. This has no doubt increased somewhat with the increased depth of the workings. Estimating that the average consumption at the colliery since the commencement of mining, 1865, has been 5 per cent. of the shipments, would make the total production to January 1, 1892, 2,379,656 tons, or 35.4 per cent. of the original content.

Estimate of coal won, shipments and colliery consumption, 2,379,656 tons or 35.4 per cent.

The first buckwheat coal was shipped about 1878. The total shipments up to that time had been 895,604 tons. Were we to allow 10 per cent. of this, or 89,560 tons for buckwheat had it been made during the whole time, the total production to January 1, 1892, would be 2,469,216 tons, or 36.7 per cent. of the original content.

Estimate of coal won if buckwheat had been made from commencement of mining, 36 7 per cent.

The areas given have been mined over and the pillars robbed. The coal remaining in the pillars yet to be robbed in the comparatively small portion of the mine now in active operation, has been considered in the above estimates.

The thickness of the beds and coal as given are taken as the probable average thickness for the whole area exploited, including any faulty or crushed areas encountered.

Specific Gravity is taken as 1.65, or 2,000 tons per acre, per foot in thickness.

Ten Specific Gravity determinations by McCreath of coal in this neighborhood average 1.658.

The following estimates of the per cent. of coal won at these same collieries made by myself, taking the weight of coal, as found by my tests, at one hundred (100) pounds per cubic foot, which is fifty-five (55) tons per foot per acre less than the weights used by Mr. Smith, come very close in their results to the estimates made by him.

HAMMOND COLLIERY.

P. & R. C. & I. Co., Lessee.

Estimate of the per cent. of coal won since the commencement of mining, 1863, to December 1, 1891:

Name of bed.	Average dip.	Average thickness of bed.	Average thickness of coal.	Area worked. Surface acres.	Bed acres.	Prob. orig. amount in tons.
Holmes.....	42°	13'6"	9'8"	43.3	58.3	1,096,137
Mammoth .	35°	23'3"	17'1"	101.0	123.3	4,096,899
Top Split.....	40°	12'2"	10'0"	42.0	54.8	1,065,860
Buck Mountain.....	15°	11'0"	8'0"	302.5	313.1	4,871,836

Original content 11,130,732

Shipments from 1863 to December 1, 1891 4,288,157 tons.

Add for consumption at Colliery 9 per cent. of shipment, 385,934 tons.

Total production 4,674,091 tons,

or 41.99 per cent. of original content.

If the coal in the culm banks now on the ground, 16.85 per cent. of the shipment, 722,554 tons, which may still be recovered, is added to the above total production, the total yield from the Colliery will be, 5,396,645 tons, or 48.49 per cent. of the original content.

Weight of coal is taken at 100 pounds per cubic foot.

GIRARD COLLIERY.

P. & R. C. & I. Co., Lessee.

Estimate of the per cent. of coal won since the commencement of mining, 1864, to March 1, 1892.

Name of bed.	Average dip.	Average thickness of bed.	Average thickness of coal.	Area worked. Surface acres.	Bed acres.	Prob. orig. content in tons.
Mammoth.....	68° N 57° S	31'0"	22'6"	38.4 54.0	102.5 99.1	8,822,136
Original content ..						8,822,136

Shipments from 1864 to March 1, 1892..... 1,627,491 tons.

Add for consumption at Colliery 20 per cent. of shipment 325,498 tons.

Total production 1,952,989 tons,
or 22.14 per cent. of original content.

If the coal in the culm banks now on the ground, 10 per cent. of the shipment, 162,749 tons, which may still be recovered, is added to the above total production, the total yield from the Colliery will be 2,115,738 tons, or 23.98 per cent. of the original content.

The Holmes and Buck Mountain Beds worked but slightly prior to March 1, 1892, are not taken into consideration in this estimate.

Weight of coal is taken at 100 pounds per cubic foot.

KEHLEY'S RUN COLLIERY.

Thomas Coal Company, Lessee.

Estimate of the per cent. of coal won since the commencement of mining, 1865, to January 1 1892.

Name of bed.	Average dip.	Average thickness of bed.	Average thickness of coal.	Area worked. Surface acres.	Bed acres.	Prob. orig. content in tons.
Mammoth.....	35°	40'6"	27'0"	65.3	79.7	4,185,445
Skidmore.....	35°	6'3"	3'5"	22.3	27.2	180,755
Seven Feet.....	35°	6'3"	5'3"	53.9	65.8	671,900
Buck Mountain....	40°	9'7"	6'7"	60.5	79 0	1,011,562
Original content						6,049,662

Shipments from 1865 to January 1, 1892..... 2,266,337 tons.

Add for consumption at Colliery 5 per cent. of shipment 113,317 tons.

Total production..... 2,379,654 tons,
or 39.33 per cent. of original content.

If the coal in the culm banks now on the ground, 16.85 per cent. of the shipment, 381,878 tons, which may still be recovered, is added to the above total production, the total yield from the Colliery will be 2,761,532 tons, or 45.65 per cent. of the original content.

Weight of coal is taken at 100 pounds per cubic foot.

* * * * *

Very respectfully yours,

HEBER S. THOMPSON,

Engineer Girard Estate.

GIRARD WATER COMPANY.

MESSRS. LOUIS WAGNER, *President*, and JAMES CAMPBELL, WILLIAM B. MANN, ALEXANDER BIDDLE, JOHN H. CONVERSE, *Directors, of the Girard Water Company.*

GENTLEMEN :

THE Girard Water Company has furnished during this year 164,985,664 gallons of water for the domestic use of the people of West Mahanoy Township and Shenandoah and Girardville boroughs, and for the use of the railroads and large mining industries upon which alone the people of this territory are dependent for support.

The Girard Water Company, incorporated August twenty-ninth, 1883, took possession of Lost Creek stream, the No. 1 Distributing Reservoir and the No. 2 Storage Reservoir then erected, and commenced business on January first, 1884. In the nine years which have passed since that date it has supplied to the public in the above described territory 1,065,941,574 gallons of water.

The quantities furnished each year since the organization of the company are as follows :

In 1884.....	92,848,023 gallons.
" 1885.....	*149,350,286 "
" 1886.....	†123,716,803 "
" 1887.....	81,318,299 "
" 1888.....	102,205,751 "
" 1889.....	103,896,900 "
" 1890	122,503,850 "
" 1891.....	125,115,998 "
" 1892.....	164,985,664 "

Total in 9 years.... 1,065,941,574 gallons.

* Of this, 53,089,423 gallons were used in extinguishing an underground fire at Packer No. 2 Colliery.

† Of this, 28,740,756 gallons were used in extinguishing an underground fire at Packer No. 2 Colliery.

The boroughs or borough water companies and colliery operators, through whom water is supplied to individuals for domestic use, and other customers, drew from our reservoirs this year the following amounts :

Girardville Borough.....	33,182,028 gallons.
William Penn Colliery.....	21,659,088 "
Hammond Colliery.....	18,892,236 "
Preston No. 2 and Bast Collieries. .	18,846,608 "
Girard Colliery.....	15,309,316 "
Packer No. 2 Colliery.....	13,778,160 "
Shenandoah Citizens' Water Co ...	12,336,764 "
Packer No. 4 Colliery.....	10,581,956 "
Packer No. 3 Colliery.....	6,580,904 "
Lehigh Valley Railroad Company ..	4,729,604 "
Packer No. 5 Colliery.....	4,170,100 "
Houses at Lost Creek.....	2,167,832 "
Packer No. 1 Colliery.....	1,751,068 "
Harrison Colliery.....	1,000,000 "
Total.....	164,985,664 gallons.

The largest consumption in any one month was in August, 21,330,716 gallons. The smallest consumption in any one month, when the supply was unrestricted, was in June, 10,302,952 gallons.

The rainfall of the year is 49.32 inches, which is 12.03 inches less than the average of the preceding five years.

For the last six years a record has been kept of the rain and snow fall at the reservoirs, which, as they are on very high ground, the overflow of No. 3 Reservoir being 1606.54 above mean tide at Philadelphia, varies considerably from the record kept at Philadelphia.

The monthly rainfall at the reservoirs for the last six years has been as follows :

	1892.	1891.	1890.	1889.	1888.	1887.
January.....	8.46	8.74	2.94	3.80	3.50	5.03 inches.
February.....	1.46	4.36	4.56	1.66	3.45	5.32 "
March.....	7.60	4.08	5.25	2.77	4.35	1.32 "
April.....	1.77	3.54	4.40	7.23	3.29	3.13 "
May.....	4.95	1.80	12.41	6.93	7.08	3.65 "
June.....	7.62	3.70	4.56	8.01	6.50	6.52 "
July.....	4.35	9.64	6.36	9.46	3.34	3.51 "
August.....	2.56	9.47	6.48	6.03	8.58	8.79 "
September....	3.42	1.99	4.51	6.50	8.18	3.41 "
October.....	.41	3.77	6.24	4.41	4.83	1.16 "
November.....	4.70	5.12	1.67	10.16	4.90	1.98 "
December.....	2.02	6.23	4.65	3.31	4.62	4.91 "
Total for year	49.32	62.44	64.03	70.27	62.62	48.73 inches.

The average annual rainfall of these six years is 59.57 inches.

The average monthly rainfall of this period is 4.96 inches.

For the first six months of this year the rainfall exceeded this average, being 5.31 inches. In June, the rainfall was 7.62 inches. This rainfall was not extraordinary, as the above record shows in a number of months much larger quantities of rainfall.

On June seventeenth one of the large reservoirs of the Mahanoy City Water Company broke, and on June twenty-first one of the reservoirs of the Pottsville Water Company. The rainfall of June third to tenth, which was 5.48 inches, operating with other causes, doubtless contributed, by the softening of the earth in the embankments, to the breaking of these reservoirs.

The average rainfall of July, August, and September, in which the loss from evaporation is the greatest, was but 3.44 inches a month, followed by October with the smallest rainfall, 0.41 inches, of which we have any record. This deficiency of rainfall finally produced a severe drought, exceeding anything we have had in many years, and developed the inadequacy of the reservoir capacity of the whole region. The Girard Water Company continued to furnish a full supply of water to the borough of Girardville, and to the collieries and people of West Mahanoy Township,

long after other places were restricted to an hour or two of water each day. Finally, on November fourth, when the water in No. 2 Reservoir was reduced to a depth of 4 feet 6 inches, and in No. 3 to 3 feet 6 inches, the supply to the Shenandoah Water Company was cut off entirely, and the supply to Girardville Borough and West Mahanoy Township was reduced to three hours daily. On the seventh of November the water stored was reduced to a depth of 2 feet 4 inches in No. 2, and 3 feet 3 inches in No. 3 Reservoir, when the supply was further restricted to two hours each day. This restriction was continued to December sixteenth, when, the water stored being in No. 2 Reservoir 10 feet 2 inches and in No. 3, 11 feet, the supply was increased to four hours of water daily. On December twenty-first a full supply of water was again turned on, although the depth of water was and continues now only 8 feet 4 inches in No. 2, and 10 feet 7 inches in No. 3 Reservoir.

The experience of this year's drought, and the probability of its recurrence, with the increasing demand for more water, compels us to increase our storage capacity without delay, and to take up again, at once, the work of erecting reservoirs on Ravens' Run, the stream and grounds covering which were appropriated by regular legal proceedings in February, 1885.

Instead of going on now to build the smaller reservoir upon which work was commenced at that time, it will be more prudent to build higher up the stream upon a location where more water can be stored. The plans and estimates for this larger reservoir have been made, and it is now ready to be placed in contract.

Its dimensions are as follows :

Length of embankment.....	1005 feet.
Width of embankment on top.....	14 "
Width of embankment on bottom.....	138 "
Height of top of embankment above present creek channel.....	36 "
Depth of water over bottom of discharge pipe.....	25 "

Width of waste way.....	60 feet.
Height of top of embankment above waste way.....	6 "
Water area	19.4 acres.
Capacity.....	63,492,785 gallons.
Embankment.....	60,902 cubic yards.
Puddle wall..	10,036 " "

Total bank and puddle

70,938 cubic yards.

The elevation of the overflow water-level of this reservoir will be 1580.30 above mean tide at Philadelphia, which will be 26.24 feet lower than the overflow water-level of the No. 3 Reservoir on Lost Creek, whose elevation is 1606.54. Between the ravines of Lost Creek and Ravens' Run there is a ridge, the elevation of the highest point on which is 1592.35. With the No. 3 Reservoir full, a main laid from its discharge pipe to the summit of this ridge (2700 feet) will carry the water of Lost Creek into Ravens' Run reservoir under the pressure of the upper 14.19 feet of water in the No. 3 Reservoir. By connecting the proposed reservoir on Ravens' Run with the No. 3 Reservoir, the latter will become a feeder to the former as well as to the No. 2 and No. 1 Reservoirs on Lost Creek; and a main laid from the proposed reservoir on Ravens' Run, west and south to the present main in the Shenandoah Valley near Hammond Colliery, will supply the line to Girardville Borough, to Hammond, Packer 1 and 5, Girard, Preston No. 2 and Bast Collieries in case of the subsidence of the line over the mining operations of Packer No. 2 Colliery, which has occurred a number of times during the past year, and will occur again and again as the coal is more thoroughly worked.

The ground on Ravens' Run Creek formerly appropriated, and that now added in connection with the extension of the water-works and to cover the whole water-shed, is as follows:

Of the Edward Lynch tract.....	323.67 acres.
Of the James Howell tract.....	'2.92 "

In pursuance of legal proceedings taken April eleventh, 1887, for the appropriation of the ground covering the horizontal bore hole and artesian well bored on the John Blakey tract by Oliver Ditson, the former lessee of Draper Colliery, under agreement of October fourteenth, 1884, with the City of Philadelphia Trustee, the Girard Water Company took possession of the ground covering the artesian well, pipes, tanks, reservoir and other property used in connection therewith, on July second, 1892.

A lease was secured from the City of Philadelphia Trustee of the ground on both sides of Lost Creek from the No. 3 Reservoir to the headwaters of the stream, and covering the greater part of the water-shed of Lost Creek stream, comprising 214.61 acres, which, along with the 68.18 acres owned by the Girard Water Company, makes 282.79 acres now enclosed with fence. The Directors of City Trusts still have the privilege of planting forest trees in this enclosure, and have planted this year forty five thousand young trees, viz.:

European Larches.....	30,000
Catalpas.....	10,000
Scotch Pine.....	5,000

Under the contract executed October thirtieth, 1891, with the Shenandoah Citizens' Water and Gas Company, the Girard Water Company was required to deliver the water at a point near the west line of Shenandoah borough on June first, 1892. In pursuance of this agreement, sixty tons of six inch pipes were contracted for, cast under the supervision of the inspector of the Girard Water Company, shipped and stored on the ground during the winter. On March fifteenth the contract for laying the pipes was placed in the hands of the contractor, who commenced work on April fourth, and completed the line of 2700 feet by the middle of May. Water was turned into the line in June, and through it 12,336,764 gallons were supplied this year to the Shenandoah Water Company.

No repairs of any kind were required to be made this year to the works of the Girard Water Company, excepting some repaving

f the waste way and raising the outside edge of the top of the embankment of No. 3 Reservoir in order to throw the rainfall toward the inside of the reservoir. The average rate of water rent is varied very little for several years. For the last three years the gross revenue for all water furnished has been as follows :

In 1890.....	8 $\frac{24}{100}$ cents per thousand gallons.
" 1891.....	8 $\frac{24}{100}$ cents " " "
" 1892.....	8 $\frac{24}{100}$ cents " " "

Very respectfully yours,

HEBER S. THOMPSON,

General Manager.

POTTSVILLE, PA., *December 31, 1892.*

GIRARD WATER COMPANY.

RECORD OF RAIN AND SNOW FALL

(EXPRESSED IN INCHES AND HUNDREDTHS)

During the Year 1892, at Lost Creek Dams on Locust Mountain, Schuylkill County, Pa.

Elevation above tide, 1665 feet.

Month.	Snow.	Melted.	Rain.	Total.	Total for Month.	Month.	Rain.	Total for Month.	Month.	Snow.	Melted.	Rain.	Total.
Jan.	2		1 60	1 60		May	2	29	Sept.	5		85	85
"	4	25		29		"	4	14	"	12		83	83
"	6	2 00	36	36		"	10	50	"	13		1 10	1 10
"	9	50	07	07		"	10	06	"	22		43	43
"	11	25	05	05		"	11	09	"	25		17	17
"	12		80	80		"	14	55	"	26		04	04
"	13		1 20	1 20		"	15	61				3 42	
"	14		1 20	1 20		"	19	64					
"	15	6 00	1 03	1 03		"	21	55					
"	18		80	80		"	23	15					
"	19	2 50	43	43		"	25	38					
"	23	50	12	12		"	26	64					
"	24	1 00	22	22		"	27	29					
"	30	50	13	13		"	30	13					
	13 50	2 45	6 01	8 46	8 46		4 95	4 95					
Feb.	2		13	13		June	2	04	Oct.	5		06	06
"	11	2 00	38	38		"	3	70	"	8		15	15
"	14		13	13		"	4	63	"	9		04	04
"	19		08	08		"	5	45	"	10		08	08
"	20		06	06		"	8	17	"	19		04	04
"	29		68	68		"	9	41	"	29		41	
	2 00	38	1 08	1 46	1 46	"	10	12					
March	1	13 00	2 16	2 16		"	19	69					
"	2	50	09	09		"	23	59					
"	8		78	78		"	27	54					
"	9		03	03		"	29	12					
"	10	6 00	1 02	38	1 40	"	30	16					
"	17	4 00	43	43			7 62	7 62					
"	18	6 00	64	64		July	3	82	Nov.	3		42	42
"	19	1 00	11	11		"	13	08	"	9	4 50	80	80
"	22		04	04		"	16	32	"	10		39	39
"	23		35	35		"	22	29	"	15		35	35
"	26		06	06		"	23	29	"	16		20	20
"	27	6 00	1 04	12	1 16	"	26	51	"	18	37	07	1 30
"	31		36	36		"	30	32	"	28	6 00	86	86
	36 50	5 48	2 12	7 60	7 60	"	31	1 00	"	29	4 00	48	48
April	3		06	06						14 87	2 31	2 49	
"	5		29	29		August	2	54	Dec.	8		82	82
"	8		16	16		"	10	41	"	13	1 75	38	36
"	15	1 50	25	25		"	11	45	"	19	50	09	09
"	16	50	09	09		"	12	10	"	20	1 00	12	12
"	17		16	16		"	20	04	"	23	50	04	04
"	21		39	39		"	25	1 02	"	24	4 00	45	45
"	23		32	32					"	31		14	14
"	29		05	05									
	2 00	34	1 43	1 77	1 77		2 56	2 56		7 75	98	1 04	

total snow fall for year.....76.62 inches.
 total precipitation for year.....49.32 inches.
 average monthly precipitation.....4.12 inches.
 greatest monthly precipitation, Jan'y...8.46 inches.
 least monthly precipitation, October... .41 inches.
 greatest daily rain fall, June 3.....3.70 inches.
 precipitation 1886.....36.85 inches.

Precipitation 1887.....48.73 in
 Precipitation 1888.....62.62 in
 Precipitation 1889.....70.27 in
 Precipitation 1890.....64.03 in
 Precipitation 1891.....62.44 in
 Precipitation 1892.....49.32 in

SUMMARY OF METEOROLOGICAL OBSERVATIONS

TAKEN DURING THE YEAR 1892 AT THE

PENNSYLVANIA STATE WEATHER SERVICE STATION,

GIRARDVILLE, SCHUYLKILL COUNTY, PENNSYLVANIA.

1000 FEET ABOVE TIDE.

By E. C. WAGNER, Voluntary Observer U. S. Signal Service.

MONTHS.	Average Pressure of Atmosphere by Barometer.	TEMPERATURE.			PRECIPITATION.		WEATHER.		
		Highest.	Lowest.	Average.	In inches and Hundredths.	Number of days rain or snow fell.	Clear.	Fair.	Cloudy.
January	30.00 in.	58°	30°	30 1/2°	8.46	14	9	8	14
February	30.10 in.	56°	30°	30 1/2°	1.46	0	20	3	16
March	30.00 in.	55°	17°	30°	7.60	13	12	7	13
April	30.00 in.	77°	37°	53°	1.77	9	10	0	11
May	29.97 in.	80°	38°	50°	4.93	14	10	0	13
June	29.94 in.	85°	39°	60 1/2°	7.60	13	14	1	3
July	29.99 in.	97°	46°	71 1/2°	4.35	6	19	8	4
August	29.97 in.	90°	55°	73 1/2°	2.56	6	25	2	3
September	30.10 in.	79°	43°	61 1/2°	3.43	6	18	8	4
October	30.03 in.	73°	39°	50 1/2°	.41	6	14	10	7
November	30.00 in.	68°	30°	41°	4.70	8	9	5	16
December	30.04 in.	51°	30°	37°	2.02	3	9	12	11
					49.32	106	156	93	116

Highest reading of Barometer, February 17..... 30.66 inches.

Lowest reading of Barometer, February 11..... 29.10 inches.

Highest reading of Thermometer, July 23 and 26..... 97°.

Lowest reading of Thermometer, December 27..... 17°.

Range of Thermometer during the year..... 80°.

Total snow fall for the year..... 76.63 inches.

Total precipitation for the year..... 49.32 inches.

Average monthly precipitation..... 4.11 inches.

Greatest monthly precipitation, January..... 8.46 inches.

Least monthly precipitation, October..... .41 inches.

Greatest daily rain fall, June 3..... 3.70 inches.

Precipitation 1896..... 30.65 inches.

Precipitation 1897..... 48.73 inches.

Precipitation 1898..... 62.63 inches.

Precipitation 1899..... 70.37 inches.

Precipitation 1900..... 64.03 inches.

Precipitation 1901..... 62.44 inches.

Precipitation 1902..... 40.12 inches.

APPENDIX D.

OFFICERS OF GIRARD COLLEGE, JANUARY 1, 1893.

President.

ADAM H. FETTEROLF, Ph.D., LL.D.

Vice-President.

WINTHROP D. SHELDON, A.M.

Faculty and Teachers.

GEORGE J. BECKER, <i>Prof. of Drawing.</i>	WARREN HOLDEN, A.M., <i>Prof. of Mathematics.</i>
ELMORE C. HINE, M.D., <i>Prof. of Natural History.</i>	N. WILEY THOMAS, Ph. D., <i>Prof. of Chemistry and Physics.</i>
JAMES N. WALKER, A.M., <i>Prof. of English and Literature.</i>	JOHN K. HARLEY, M.E., <i>Prof. of Penmanship and Book-keeping.</i>
GEORGE F. ZINNEL, <i>Asst's Prof. of Mathematics.</i>	MISS MARY LYNCH, <i>Librarian.</i>

MISS CHARLOTTE E. OVERN,

MISS ELIZABETH McDUFFEE,

Teachers in Fourth School.

Teachers in Third School.

MISS HESSY R. MILLER,	MISS KATHARINE V. LINDERMAN,
MISS MARY D. WARE,	MISS EMILY E. TOWN,
MISS VIRGINIA B. TUCKER,	MISS MARY E. CLIME,
MISS MARY L. NEVILLE,	MISS HARRIET BRADDOCK,
MISS INEZ E. WALSH.	

Teachers in Second School.

MISS ISABELLE M. RUMSEY,	MISS EMILY F. PFAFF,
MISS SUSAN B. PRICE,	MISS ANNIE D. SWIFT,
MISS MARGARET WYLIE,	MISS EVA ROBERTS,
MISS MARTHA G. McLAUGHLIN,	MISS JANE PEOPLES,
MISS LOUISE St. C. WOLF,	MISS LAURA E. BAYMORE,
MISS MARY E. ROBB,	MISS ANNIE E. WIGGINS.

Teachers in First School.

MISS BESSIE BURNETT,	MISS EMMA B. DEVELIN,
MISS HELEN LONG,	MISS CLARA G. DUFFY,
MISS KATHARINE H. BROPHY,	MISS EMILY E. PAYNE,
MISS ALICE W. COX,	MISS C. JESSICA J. DONNELLY,
MISS BESSIE SHARP,	MISS ANNA T. LONG,
MISS MARY PEOPLES,	MISS GEORGIE A. CURRIE.

MISS IONA M. NOWLEN.

MME. S. ANNA SIMON,	CALIXTO GUITERAS,
<i>Instructor in French.</i>	<i>Professor of Spanish.</i>

T. MASON MITCHELL,

Superintendent of Mechanical Department.

GEORGE B. PULLINGER,	CHARLES S. WILLIAMSON,
<i>Instructor in Carpentry.</i>	<i>Instructor in Mech. Drawing.</i>

DAVIS EAVENSON,	T. R. COGGESHALL,
<i>Instructor in Wood Turning.</i>	GEORGE A. PEDDLE,
	<i>Instructors in Iron Work.</i>

HENRY H. BREWER,	CHARLES M. KNAPP,
<i>Instructor in Foundry and Forge.</i>	<i>Instructor in Electrical Mechanics.</i>

MISS FANNY WEST,	MISS MARIAN B. HERITAGE,
<i>Teacher of Drawing.</i>	<i>Teacher of Elocution.</i>

THOMAS A'BECKET,	MISS IDA C. CRADDOCK,
<i>Prof. of Vocal Music.</i>	<i>Teacher of Phonography.</i>

THOMAS WINN,	COL. JOS. R. C. WARD,
<i>Prof. of Vocal Music.</i>	<i>Commandant of Cadets.</i>

GEORGE BASTERT,	LOUIS LEWIS,
<i>Instructor of Brass Band.</i>	<i>Instructor in Gymnastics.</i>

HOUSEHOLD.

Matron.

MISS ANNA M. SHREVE.

Assistant Matron.

MRS. ELIZABETH B. THOMPSON.

Governesses.

MISS MARY GOVERS,
MISS ANNA B. GROVE,
MISS VIRGINIA MILLER,
MISS ELIZABETH EKINGS,
MRS. ANNIE RAINIER,
MRS. MARGARET A. SPIESE,
MISS SALLIE M. CHEW,
MRS. HANNAH E. EARL,
MISS MARY FRANKLIN,
MRS. EDITH W. STONE,
MISS LILLIAN T. SMITH,
MISS SARA H. WHITBY,

MISS MARY B. BULLOCK,
MISS MARY MCBRIDE,
MRS. EMMA NOBLE,
MISS PHOEBE SILLIMAN,
MISS ELIZABETH THORNILEY,
MISS CAROLINE M. WHITECAR,
MISS ANN JANE CROSS,
MRS. FANNY T. BOAS,
MISS ADELE C. CASE,
MRS. ELIZABETH KRICKBAUM,
MISS MARY WHITE,
MISS ELIZA J. HARE.

Steward.

THOMAS PERRINS.

Assistant Steward.

FRANK O. ZESINGER.

Senior Prefect.

WILLIAM H. KILPATRICK.

Prefects.

HENRY H. HAY,
WILLIAM H. HAGER,
FRANK H. DANENHOUR,
GEORGE W. PRICE,
ELIAS H. WHITE,
JOSEPH J. MALCOMSON,
OLIVER A. FULMER,

CHARLES C. HENSHEN,
ALBERT B. HARMER,
A. D. DUDBRIDGE,
WILLARD B. RIVELL,
CHARLES E. DAVIS,
JAMES B. McDERMOTT,
TOWNSEND R. WOOD,

ISAAC P. WALKER.

Visiting Physician.

WILLIAM S. JANNEY, M.D.

Resident Physician.

FRANK L. GREENEWALT, M.D.

Dentist.

WILBUR F. LITCH, M.D.

Superintendent of Admission and Indentures.

JOHN S. BOYD, 19 South Twelfth Street.

GIRARD COLLEGE.

PRESIDENT'S REPORT FOR 1892.

To the Board of Directors of City Trusts :

GENTLEMEN :—During the year 1892, there were admitted to the College 124 boys ; 129 had their indentures cancelled ; 1 was bound out ; 2 were dropped from the roll ; 5 went out at eighteen years of age ; 8 died, and 6 were expelled for having from misconduct become unfit companions for the rest. Enrolled at the end of the year, 1559.

The year just closed brought us many changes,—some caused by death, and others by resignation.

Early in the year (March 28), Professor Lemuel Stephens, A.M., died after a short illness. He had occupied the chair of Chemistry and Physics since 1848. In 1884, owing to failing health and advancing years, he was relieved of regular duty and made Professor Emeritus. Professor Stephens held high rank in his profession, and possessed a wide knowledge of general subjects. He had also rare gifts as an instructor, and invariably won the love and confidence of his pupils.

In the following month (April 5) occurred the death of Miss Keturah Cole, teacher of English, Literature, and History. Miss Cole had been connected with the College since 1856. She had great kindness of heart, which, with her firmness of character and conscientious devotion to duty, made her a most valuable teacher. She was indeed more than a teacher ; she was a wise counsellor. Her pupils will recall many useful and practical hints which she so judiciously gave while teaching the regular lessons of her departments. She taught wisdom as well as knowledge.

Dr. Henry D. Gregory, who had held the office of Vice-Presi-

dent of the College since February, 1833, resigned his position and retired from duty in November last. Dr. Gregory brought with him to the duties of the position, knowledge, firmness and uprightness of character, and successful experience. He was ever vigilant in his oversight, indefatigable and conscientious in the performance of duty, and to the highest degree exemplary in his daily life. He carries with him in his retirement the esteem and respect of the boys as well as the love and gratitude of his fellow-laborers,—the teachers and officers of the College.

The other resignations were, Mrs. Eleanor N. Gilbert, Miss Blanche D. Price, Miss Adele Dodge, Miss Agnes H. Long, Miss Margaret J. McCoy, Miss May V. Fox, Miss Katharine E. Law, and Miss Mary S. Steinmetz in the Department of Instruction; and Miss Mary S. Wilson (governess) and Mr. George E. Mehrling (prefect) of the Department of Household. The new appointees in the Household are Miss Elizabeth Thorniley and Mr. Oliver A. Fulmer. In the Department of Instruction they are Miss Emma B. Develin, Miss Clara G. Duffy, Miss Georgie A. Currie, Miss C. Jessica J. Donnelly, Miss Bessie Burnett, Miss Eva Roberts, Miss Helen Long, and Miss Iona M. Nowlen.

Professor James N. Walker, A. M., succeeds to the chair of History, English, and Literature, left vacant by the death of Miss Cole.

Early in the year it was decided to grant assistants to the professor of Drawing, Penmanship, and Book-keeping, and to the professor of Mathematics. These positions were filled by the appointment of Mr. John K. Harley, Principal of the Public Schools of Conshohocken, and Mr. George F. Zinnel, for seven years professor of Mechanical Drawing in the College Manual Training School. In the Department of Manual Training, Mr. Charles S. Williamson succeeds Prof. Zinnel; and Mr. George A. Peddle takes the place left vacant by the retirement of Mr. Benjamin F. Durkin.

Professor Winthrop D. Sheldon, A. M., late professor in Colorado College, succeeds Dr. Gregory as Vice-President of the College.

In the Department of Instruction as well as in that of Mechanical

Instruction, the teachers have performed their duties with fidelity and success; and the progress of the boys has been satisfactory, in many instances highly commendable. In evidence of this I need only state that at the close of the year, 645 boys received premiums for high rank in lessons and deportment. In the Fourth School, the efficiency of the work has been increased by the addition of the two assistant professors already mentioned.

The discipline of the College has probably never been better than during the past year. The relations between the officers and pupils, between the teachers and the taught, are friendly and harmonious. An increasing manliness and sense of self-reliance among the boys are among the encouraging signs. The longer leave of absence during the summer vacation, which was first tried as an experiment in 1891, was even more satisfactory in its results in 1892.

The moral and religious instruction of the College receives constant and careful attention. The Chapel exercises, both Sunday and week-day, are regularly held, and every effort is made to render them impressive. The gentlemen who address the boys at the Sunday services are among the best men in the community, and; being laymen, have, from their varied experience in the daily affairs of life, some advantages over even the professional religious teacher.

In an institution having so large a population, the health of the inmates is always a serious question. Our boys come to us in many cases before they have had the usual diseases common among children. When a contagious disease appears, it is likely to spread until it has run its course. When the boys visit their friends on holidays, they go into all parts of the city and suburbs, and are liable to bring back with them whatever contagion may be prevalent in any section. Notwithstanding these facts, our rate of mortality has not been high. During the winter and spring months of the present year, scarlet-fever was epidemic among us, and carried off five boys, four dying in the institution, and one while at home spending his Easter vacation. There were in all, eight deaths among the pupils of the College during the year, two of which occurred while the boys were at their homes.

I append a list of all the boys in the College at the close of the

year, the date of birth and of admission to the institution, together with their yearly averages in lessons and deportment. Beyond this and the statistics given above, there is probably nothing that will be of interest to the public or to the gentlemen of the Board. The public can judge the institution only as they judge a family or a community,—by what comes out of it; and the Directors can judge it as they would an individual—by observing its daily life.

Our constant endeavor is to give to the boys careful instruction in the branches named in the Will of the Founder; to guard their health and morals; and to teach them day by day habits of neatness, punctuality, prompt obedience, industry, and honesty.

In conclusion, I desire to thank the gentlemen of the Board for their cordial support and valuable suggestions from time to time, and also to acknowledge my indebtedness to the teachers and officers of the institution for their untiring labors in their several departments, and for their loyal support in all efforts for the best interest and welfare of the many boys entrusted to our care.

Respectfully submitted,

A. H. FETTEROLF,
President.

DECEMBER 31, 1893.

STAR SCHOLARS FOR 1892.

Star scholars are those whose averages for recitations and examinations combined have been above nine for the year, on a scale from zero to ten.

DOUGLASS, WM. E.	KNOX, SAMUEL D.	RADFORD, ROBERT
FIRTH, JOSEPH	LINDSAY, DAVID A.	SHUMAN, OMAR M.
GARTTMEIER, FREDERICK	NESBITT, THOMAS H.	TERHUNE, ROBERT S.
KECK, EMIL	OLSEN, HENRY	TEUFFEL, HERMAN

CLASSES OF HONOR.

The Third, or Highest, Class of Honor comprises all pupils whose conduct is represented by 9.6 or more, on a scale from zero to ten; the Second, all whose conduct is marked from 9.3 to 9.6; and the First, all whose conduct is marked from 9.0 to 9.3, for the year.

THIRD CLASS OF HONOR.

ALTING, JOHN M.	GITHENS, SHERWOOD	NAGELE, JACOB F.
BARR, HUGH	GLESNER, CHARLES D.	RITTENHOUSE, ALEX. D.
BOWEN, ROBERT R.	HAAS, WILLIAM H.	ROBERTS, WILLIAM
BRADFORD, CHARLES L.	HACKETT, PETER	SEDENGER, PHILIP N.
BROWNE, WILLIAM C.	HASSARD, JAMES	SEIDER, CHARLES A.
BUTZ, WALTER H.	HERMAN, FRANK	SELLERS, RAY
CAMPBELL, GEORGE T.	JAGGERS, CLARENCE W.	SHIELDS, CHARLES F.
CAMPBELL, JAMES H.	JOHNSON, ENOCH C.	SINGER, THEODORE R.
CRAIG, HARRY M.	JOHNSTONE, ABRAHAM B.	STRAUSSHEIM, HARRY
CRAVEN, FRANK R.	KEMPFER, GEORGE	TONER, HENRY A.
CRISTEN, ANSON L.	KNOX, LEWIS C.	WAGNER, ALBERT D.
DEAL, HENRY W.	KREEB, HARRY G.	WILLET, CALVIN A.
FIRTH, JOSEPH	LAWLOR, WILLIAM H.	WILSON, WILLIAM V.
FOGEL, CHARLES M.	MCINTYRE, JAMES P.	WOOD, CLARENCE M.
FRANZ, JOHN O.	MOONEY, THOMAS	WRIGHT, SAMUEL G.
GENTHER, FREDERICK	MORTON, DAVIS W.	ZIEGLER, STEPHEN G.
GITHENS, HARRY		

SECOND CLASS OF HONOR.

ABEL, HARRY O.	GRANSEE, FERD. G.	RANSON, JOHN
ALTING, JONATHAN W.	GRAHAM, SAMUEL	ROWE, WILLIAM M.
ARNOLD, MARX E.	HAGENBUCH, JOASH	SAVRES, WILLIAM E.
BAUMAN, EMIL A.	HULL, HOWARD J.	SCOTT, SAMUEL L.
BAUMAN, OSCAR X.	JAECKEL, HUGO A.	STOTZ, LOUIS
BROWNING, JOHN F.	KEIM, JOHN M.	STOY, HARRY
COAR, HERMAN	KEIM, SAMUEL D.	STREICHER, ALBERT
CONNER, CHARLES M. C.	KOENL, GEORGE W.	THEIS, HARRY C.
CRUSE, HERBERT G.	LINDSAY, DAVID A.	THOMPSON, CHARLES B.
DAVIS, DAVID C.	LUFT, WILLIAM F.	TUTTLE, WILLIAM N.
DICKINSON, BERTRAM E.	MEVIUS, WILLIAM	ULMER, HARVEY T.
ELLWANGER, WALTER	NICHOLS, ELMER	WATTSON, HORACE P.
FERRÉ, AUGUSTUS	ODGEN, DAVID S.	WILTSHIRE, ARTHUR
FOREMAN, WM. H.	POULSON, HERBERT W.	WOOD, THOMAS
FRY, HARRY E.	RAIMOND, RICHARD C.	WOODWARD, ELIAS
GARDNER, GEORGE L.		

FIRST CLASS OF HONOR.

ALEXANDER, WILLIAM	DOME, WALTER R.	PIERCE, LEWIS H.
APPLEGATE, EDWARD D.	FLOWER, JOHN H.	RENOUF, EUGENE
BAYNE, GEORGE W. P.	GRIESEMER, EGBERT C.	SAMUELS, WILLIAM F.
BLAKELY, BENJAMIN F.	HALL, CHARLES F. S.	SCHUBERT, JOHN E.
BODÉ, HARRY	KRUMM, CHRISTIAN	SMITH, ALBERT R.
BOLICH, OSCAR	LENZ, THOMAS K.	SMITH, JACOB S.
BRYAN, FRANK C.	MACK, HORACE M. B.	STEELE, JOHN
CAMPBELL, ROBERT B.	MICHEL, M. PAUL H.	TITREVILLE, ERNEST E.
DALTON, JAMES J.	MULLOY, HARRY P.	WIKER, EDGAR A.
DAVIS, SAMUEL H.	NESBITT, THOMAS H.	WYLAN, CLAYTON
DIVINE, ROBERT M.	OLSEN, HENRY	YEAGER, JOSEPH
DIXON, ROSS G.	PAYNE, DANIEL R.	

CATALOGUE OF PUPILS

WHOSE INDENTURES WERE CANCELLED IN 1892.

<i>Name.</i>	<i>Employer.</i>	<i>Business.</i>	<i>Address.</i>
Allen, Walter R.			
Altling, John M.	Ferd. Schoettle,	Paper Cutter,	312 Branch St.
Amlung, Henry T.	Edward J. Toole,	Cl'rk and Collect'r,	1741 Christian St.
Auman, Harry N.	Bement, Miles & Co.,	Clerk,	21st & Callowhill Sts.
Bashore, William H.	To mother.		
Bihn, George J.	E. A. Wright,	Plate Printer,	1032 Chestnut St.
Birney, Charles E.	J. W. Boughton,	Wood Carpets,	1223 Noble St.
Boorse, Maurice K.	To uncle.		
Brandt, Frederick B.	Strawbridge & Clothier,	Packer,	801 Market St.
Braun, John	William J. Moore,	Stock Boy,	12 N. 11th St.
Brehm, John P.	Supplee Hardware Co.,	Order Clerk,	503 Market St.
Brock, Arthur	Lengert Co.,	Blacksmithing,	12th & Locust Sts.
Brownlee, Robert	George Peberdy,	Hosiery,	Germantown.
Burke, John A.	P. & R. Railroad,	Clerk,	Philadelphia.
Byrne, Robert	Laird, Schober & Mitch'l,	Shoe Manufact'r,	19th & Buttonwood Sts.
Calrus, Howard J.	To mother.		
Carey, Lester J.	Gorham Mfg. Co.,	Clerk,	Bid'y & 19th St., N. Y.
Carton, William A. F.	Delaplaine & Co.,	Book-keeper,	19 N. 3d St.
Chorpenning, Samuel H.	Hastings Trust Co.,	Clerk,	224 S. 9th St.
Christy, William W.	C. J. Matthews & Co.,	Morocco Mfr.,	215 Willow St.
Clark, John M.	To mother.		
Conly, Bertram G.			
Connelly, Henry J.	John Mundell & Co.,	Shoes,	123 N. 13th St.
Coogan, Daniel G.	<i>The Times,</i>	Pressman,	800 Chestnut St.
Craig, Robert L.	S. W. Evans & Sons,	Factory Hand,	Frankford,
Crawford, John L.	<i>The Item,</i>	Printing,	28 S. 7th St.
Cunningham, Ernest	Girard College,	Clerk,	Girard College.
Curran, Edward	Clark, Thomas & Co.,	Furniture,	231 Levant St.
De Swan, John F.	George Zorn & Co.,	Stock Boy,	524 Market St.
Deikel, William L.	L. C. Vanuxem & Co.,	Clerk,	333 Walnut St.
Duncan, Morton E.	Walter E. Duncan,	Plumber,	4806 Paschal St.
Egner, Frederick	Charles C. Augustine,	Tinsmith,	2325 N. 30th St.
Ellenberger, George W.	Dept. of Highways,	Draughtsman,	City Hall.
Elliott, Joseph M.	Strawbridge & Clothier,	Wrapper,	801 Market St.
Fauth, George W.	Murphy's Sons Co.,	Cl'rk and Collect'r,	509 Chestnut St.
Ferdinand, Joseph A.	Textile Machine Co.,	Cl'rk and Collect'r,	800 S. 11th St.
Figaniere, Gibson S. de	To mother.		
Fowler, David J.	P. & R. R.R. Co.,	Telegraph Op'r,	Cressona, Pa.

INDENTURES CANCELLED.

<i>Name.</i>	<i>Employer.</i>	<i>Business.</i>	<i>Address.</i>
Frank, John A.	Strawbridge & Clothier,	Clerk,	801 Market St.
Furber, Arthur	Louis Lachmanns,	Grocer,	19th St. & Song's Av.
Gable, Walter J.	Wm. Lamore,	Clerk,	Balsora Mills, Pa.
Gander, William H.			
Garskey, William	Walton Bros.,	Book-keeper,	2143 American St.
Glensmer, Egbert C.	Wm. J. Dornas,	Printer,	200 N. 7th St.
Gottlieb, David M.	E. & W. Trump't'n Co.,	Stenographer,	234 S. 4th St.
Griffith, Robert	Macon Fruit Jar Co.,	Operative,	White Hall, Phila.
Grue, Thomas	To mother.		
Gruely, Owen	Strawbridge & Clothier,	Store Boy,	801 Market St.
Grove, John R.	Henry A. Noble,	Pattern Maker,	203 Dock St.
Hanson, Henry H.	George B. Carr, Esq.,	Stenographer,	137 S. 31st St.
Harriga, Frank	John Gay's Sons,	Carpet Weaver,	Howard & Norris St.
Harrison, George W.	Samuel Appleton,	Clerk,	Bristol, Pa.
Hallings, Samuel E.	3d National Bank,	Stenographer,	Broad & Market Sts.
Hawood, Charles E.	H. Muir's Sons,	Watch-Case Trar.,	146 N. Broad St.
Herman, William	To mother.		
Hoff, Charles H.	E. A. Wright,	Stationer,	1032 Chestnut St.
Hoff, William N.	Strawbridge & Clothier,	Wrapper,	801 Market St.
Hallingsworth, Thos. H.	Penns. Lumber Co.,	Book-keeper,	Philadelphia.
Hobert, William S.	Chestnut St. Nat'l Bank,	Clerk,	721 Chestnut St.
Hahn, Harry P.	Thomas R. Cleary,	Undertaker,	12th & Jefferson Sts.
Holt, James E.	To mother.		
Hurlig, William W.	Wm. H. Payater,	Sign Painter,	49 S. 3d St.
John, Benjamin	Fremont Colliery No. 3,	Errand Boy,	Girardville, Pa.
Jones, Henry W.	To mother.		
Jones, Joseph S.	Thos. F. Jenkins, Esq.,	Stenographer,	118 S. 6th St.
Kavanaugh, Joseph F.	S. Bowen's Sons,	Clerk,	4th & Venango Sts.
Kirk, Alexander J.	Thomas Lewis,	Errand Boy,	3942 Aspen St.
Kerr, George	John Evans' Sons,	Machinist,	506 N. 13th St.
Kerns, John H.	D. S. Wiltberger,	Clerk,	233 N. 2d St.
Knox, James	Bart Pumping Eng. Co.,	Machinist,	18th St. & Lehigh Av.
Kraft, William E.	To mother.		
Kneble, J. Sheldon	P. & R. R. R. Co.,	Clerk,	Belmont Station.
Kutz, Robert P.	Heywood Bros. & Co.,	Bill Clerk,	1010 Race St.
Kelso, Samuel	To grandmother.		
Lare, George W.	To aunt.		
Latham, William	John Wanamaker,	Clerk,	13th & Market Sts.
Lewer, James W.	To mother.		
Lewis, Harry B.	J. G. Kolb,	Baker,	1409 S. 10th St.
Lowther, Angelus F.	Brets & Curtis,	Machinist,	17 S. 4th St.
McCabe, James S.	Wm. H. Alberman,	Clerk,	3963 Lancaster Ave.
McConker Robert E.	Wm. Leckering & Co.,	Clerk,	Minersville, Pa.
Mauwaring, William	To mother.		
Martin, Samuel B. T.	Gilliam & Gilliam,	Scroll-Sawyer,	1819 N. 31st St.
Marx, Henry F.	Wm. Cramp & Sons,	Machinist,	Beach & Mill Sts.
Miller, Gilbert	Phil. Read & Pts. Tel. Co.,	Telegraph Op't'r,	Tackerton, Pa.
Mitchell, John L.	Brush Electric Light Co.,	Lamp Repairer,	2021 Johnston St.
Moyle, J. Frederick			

INDENTURES CANCELLED.

<i>Name.</i>	<i>Employer.</i>	<i>Business.</i>	<i>Address.</i>
Neavling, Henry E.	Breiz & Curtis,	Stenographer,	17 S. 4th St.
Northime, Harry	Charles Illingsworth,	Morocco Finisher,	145 Columbia Ave.
Orthwein, Frederick	Ferd. Schoettle,	Factory Hand,	310 Branch St.
Osmond, Lawrence D.	Ford & Kendig Co.,	Clerk,	1428 Callowhill St.
Price, Harry C.	J. M. Hagy,	Stenographer,	22d St. above Arch.
Reese, Edward E.	Penna. Steel Co.,	Machinist,	Steelton, Pa.
Rettner, George H.	Langfeld Bros.,	Stock Clerk,	723 Arch St.
Rutchie, William B.	To mother.		
Rittenhouse, Charles W.	D. F. Shull & Co.,	Druggist,	3836 Market St.
Robinson, William B.	Wm. H. Harris,	Salesman,	Newport, R. I.
Roll, Otto	Sunshine Pub. Co.,	Errand Boy,	402 Race St.
Rose, William	David Bentley & Co.,	Stock Boy,	530 Market St.
Rowe, James M.	Frank Schoble & Co.,	Hat Manufacturer,	924 Oxford St.
Salles, Achille	To mother.		
Savage, James	John Messersmith,	Blacksmith,	Williamstown, Pa.
Schmidt, John G.	W. S. Cooper Brass Wks.,	Clerk,	442 N. 13th St.
Schneider, Charles W.	Charles N. Selser,	Grocer,	1100 Girard Ave.
Schneider, E. Albert	E. D. Douglass,	Clerk,	437 N. 5th St.
Schultz, Frederick H.	N. B. Cox & Co.,	Clerk,	414 Arch St.
Scott, Harry W.	Jones, Sheibley & Co.,	Clerk,	605 Market St.
Seligman, Jacob A.	C. F. Langston & Co.,	Machinist,	70 N. 4th St.
Shultz, Edward	E. A. Posselt,	Draughtsman,	2152 N. 21st St.
Simms, James	P. N. Degerberg & Co.,	Errand Boy,	1431 Chestnut St.
Simpson, George W.	James Fallows & Sons,	Tin Toy Mfr.,	229 Arch St.
Smith, E. Russell M.	Supplee Hardware Co.	Clerk,	503 Market St.
Smith, Richard P.	Fairmount Machine Co.,	Clerk,	2106 Wood St.
Smith, Steward B.	J. M. Althouse,	Cigarmaker,	Reading, Pa.
Smullen, William C.	Samuel T. Evans,	Salesman,	701 Girard Ave.
Stanley, George E.	Southwark Foundry,	Pattern Maker,	5th St. & Wash'n Av
Stanley, Herbert	To mother.		
Start, William A.	MacKellar, S. & J. Co.,	Type-setting,	612 Sansom St.
Stewart, Richard W.	John G. Williams,	Salesman,	1619 N. 20th St.
Taylor, Allan D.	Riter Bros. & Co.,	Clerk,	213 Race St.
Teufel, Herman A.	Fisher & Hunter, Esqs.,	Stenographer,	308 Walnut St.
Thompson, Daniel T.	To mother.		
Thompson, Thomas H.	To mother.		
Trimble, John N.	Clark, Thomas & Co.,	Cabinet Maker,	23d St. & Passy'k Av
Turner, William W.	H. Gayraud,	Errand Boy,	614 Pine St.
Uhler, Samuel A.	To mother.		
Ulmer, Harvey F.	3d National Bank.	Stenographer,	Broad & Market Sts.
Vunco, David C.	J. C. Wahl,	Shoe Dealer,	Atlantic City.
Vincent, Albert W.			
Ward, Henry K.	Rodman L. Betts,	Office Boy,	737 Walnut St.
Wernicke, Ludwig	J. W. Brown & Co.,	Clerk,	103 Arch St.
Wilson, Frank L.	To mother.		
Wilson, James	To mother.		
Witt, Rudolph F.	Adams Express Co.,	Clerk,	Broad & Chestnut St
Wood, Clifton P.	Jacob Ott,	Farmer,	Elkton, Md.
Ynestrosa, Emetero	Martin Leans, Jr.,	Printer,	9 N. Front St.

CATALOGUE OF APPRENTICES,

DECEMBER 31, 1892.

<i>Apprentice.</i>	<i>Master.</i>	<i>Business.</i>	<i>Residence.</i>	<i>App. Born.</i>
Brown, Ernest H.	Chas. A. Russell,	Dealer in Corks,	Philadelphia,	May 3, 1874.
Francis, Geo. B.	S. M. Kilbough,	Druggist,	Hummelstown,	July 11, 1870.
Glassco, T. E.	David C. Lee,	Carpenter,	Yardley, Bucks Co.,	Feb. 19, 1870.
Kehrwindecker, F. A.	H. W. Raymond,	Printer,	Philadelphia,	June 17, 1870.
Rosen, Wm. F.	H. W. Raymond,	Printer,	do.	May 7, 1870.
Smith, Geo. W.	Albert A. Schuy,	Farmer,	Leasdale, Mont. Co.,	April 10, 1874.
Speed, Robert M.	J. M. B. Morrow,	Paper-hanger,	1305 S. Broad St.	Nov. 26, 1874.
Willschire, Jas. G.	Harry G. Hill,	Cabinet Maker,	Philadelphia,	May 7, 1870.

CATALOGUE,

DECEMBER 31, 1892.

FOURTH SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>
Abel, Harry O.	July 30, 1875	June 3, 1884	8.80
Ailes, Philp G.	April 1, 1877	May 31, 1886	7.14
Anaya, Albin O.	Jan. 26, 1880	March 2, 1886	7.70
Anaya, Walter	April 1, 1876	June 3, 1884	8.04
Andress, Samuel C.	March 29, 1877	Dec. 29, 1885	7.55
Armstrong, William H.	Oct. 23, 1877	May 31, 1886	7.51
Arnold, Marx E.	Aug. 26, 1875	June 3, 1884	8.41
Ash, John T.	April 2, 1875	June 3, 1884	8.15
Bader, Charles E.	June 27, 1877	Dec. 21, 1886	8.03
Baird, Joseph R.	June 14, 1876	June 3, 1885	8.64
Baker, Harry B.	July 19, 1876	March 13, 1886	7.20
Barnes, Charles	Nov. 2, 1875	Oct. 22, 1885	7.62
Barr, Hugh	March 25, 1878	Dec. 29, 1887	7.30
Bartels, Heinrich W.	March 21, 1875	Dec. 29, 1884	7.42
Bashore, Charles F.	Sept. 8, 1877	May 31, 1886	7.19
Bass, William C.	July 28, 1877	May 31, 1886	7.79
Baterell, Wm. Horace	Sept. 24, 1876	March 12, 1886	7.51
Bauman, Emil A.	Dec. 26, 1876	June 11, 1886	8.15
Baxter, Joseph	Aug. 7, 1877	May 31, 1886	7.14
Becker, Howard R.	March 6, 1876	Dec. 19, 1884	8.16
Beers, Clarence B.	Sept. 27, 1875	June 6, 1884	.....
Berry, Edward	March 26, 1877	Feb. 23, 1886	.....
Bickel, Mahlon L.	July 5, 1879	Jan. 15, 1889	7.70
Blakey, Benjamin F.	Jan. 15, 1879	Dec. 20, 1886	8.58
Bodé, Charles F.	July 29, 1878	Dec. 27, 1886	7.40
Bodé, Harry	July 29, 1878	Dec. 27, 1886	8.86
Bolich, Oscar O.	April 10, 1877	Dec. 21, 1886	8.51
Bowden, Harrison	June 10, 1875	Jan. 8, 1885	.....
Bowen, Charles F.	Aug. 29, 1878	Jan. 21, 1887	7.63
Bowen, Robt. Russell	Feb. 29, 1876	Jan. 17, 1885	8.50
Boyce, William	March 7, 1876	Dec. 27, 1883	7.44
Bradford, Charles L.	Jan. 6, 1878	June 3, 1884	8.44
Bray, Wesley S.	Nov. 11, 1876	Dec. 29, 1885	7.93
Brown, Alfred	Oct. 10, 1878	Jan. 29, 1888	7.24
Browne, William C.	March 30, 1877	Dec. 30, 1886	8.17
Bryan, Frank C.	Oct. 23, 1875	May 27, 1885	8.85
Burgess, Wilbur E.	July 23, 1878	Sept. 3, 1885	7.04

FOURTH SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Campbell, James H.	Feb. 1, 1876	Dec. 20, 1884	7.97	8.88
Campbell, John T.	Oct. 30, 1876	Sept. 13, 1886	8.03	7.03
Campbell, Robert B.	April 20, 1877	Dec. 30, 1885	7.07	9.28
Carpenter, Harry L.	Jan. 23, 1880	Dec. 30, 1886	7.30	6.23
Carpenter, Leon T.	Sept. 1, 1877	Dec. 27, 1886	8.53	8.39
Cobb, William D.	July 6, 1876	June 2, 1885	7.40	3.40
Coomer, Chas. M. C.	June 20, 1877	May 31, 1886	8.39	9.36
Coordini, Henry	April 21, 1877	Sept. 16, 1886	8.12	7.12
Couture, Louis	Sept. 8, 1878	Dec. 20, 1886	7.23	8.13
Craig, Harry M.	June 12, 1875	June 6, 1883	8.75	9.92
Cramer, Arthur G.	Feb. 2, 1876	Sept. 13, 1886	8.62	8.93
Crispin, Amos L.	March 24, 1878	Dec. 21, 1886	8.90	9.81
Cross, William G.	June 23, 1876	June 11, 1888	8.86	9.55
Runfield, Harvey L.	Jan. 7, 1879	May 31, 1888	7.62	8.51
Davis, David C.	Aug. 23, 1878	Dec. 27, 1886	7.09	9.34
Davis, Edward C.	April 4, 1877	Dec. 29, 1885	7.11	6.37
Davis, Hector	Jan. 2, 1877	June 17, 1885	8.78	1.88
Davis, Samuel H.	Sept. 26, 1878	Dec. 27, 1886	6.80	0.09
Deal, Henry W.	Feb. 27, 1876	June 5, 1883	8.53	9.65
Deal, Walter P.	Dec. 25, 1877	June 3, 1884	7.03	8.53
Deig, William M.	April 16, 1877	Dec. 30, 1885	8.54	8.35
Diana, Chas.	Sept. 10, 1875	June 1, 1882	7.23	8.77
Dilling, Robert M.	Feb. 27, 1877	Dec. 27, 1886	8.37	9.11
Dumas, George	Nov. 25, 1875	Dec. 29, 1884	7.88	8.92
Dome, Walter R.	Oct. 25, 1875	June 10, 1884	8.72	9.01
Donslow, Benjamin	July 18, 1877	March 16, 1886	8.22	7.05
Donslow, Edward	July 10, 1877	May 31, 1886	8.53	8.26
Donslow, John J.	Dec. 17, 1877	Dec. 30, 1886	8.81	1.78
Dougherty, John	Feb. 5, 1878	Jan. 21, 1887	6.65	5.41
Douglas, William E.	Jan. 1, 1876	June 2, 1885	9.23	7.47
Duff, Harry	Dec. 27, 1876	Dec. 29, 1885	7.59	7.87
Duffy, Matthew E.	March 18, 1877	March 15, 1886	7.36	8.04
Edmiston, Jas. E.	Jan. 24, 1878	May 31, 1886	8.44	8.81
Eder, John	Nov. 22, 1876	Oct. 29, 1885	8.42	7.23
Elwanger, Walter C.	June 13, 1878	Dec. 27, 1886	8.85	9.51
Edison, William	April 29, 1876	Feb. 3, 1885	7.24	3.34
Evans, Wm. Clarence	July 5, 1876	June 2, 1885	8.72	6.13
Evans, William H.	Feb. 17, 1877	Dec. 29, 1885	6.98	8.51
Fee, Lawrence A.	Jan. 18, 1876	Aug. 27, 1885	7.30	6.40
Fenn, Richard M.	Oct. 17, 1877	Dec. 27, 1886	6.04	3.00
Fink, Joseph	Oct. 16, 1878	May 31, 1888	9.09	10.00
Fischmann, Fred'k W.	July 1, 1875	Jan. 10, 1884	7.75	8.67
Flower, John H.	June 6, 1875	June 3, 1885	8.05	9.07
Forsyth, Benjamin	April 28, 1877	Dec. 30, 1885	7.33	7.50
Forster, Thomas	July 22, 1878	Dec. 21, 1886	7.32	1.88
Finn, John O.	Dec. 29, 1876	Dec. 27, 1886	7.67	10.00
Fry, Harry E.	July 14, 1877	Dec. 21, 1886	8.84	9.36
Fury, Edward R.	Dec. 1, 1880	Dec. 28, 1887	7.90	8.89
Giddings, James W.	Sept. 4, 1877	Dec. 30, 1886	6.61	8.20

FOURTH SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>
Gallant, Raphael B. D.	Nov. 25, 1875	June 10, 1884	8.10
Gamble, Robert E.	June 12, 1877	Dec. 21, 1886	7.99
Gardner, George L.	Feb. 19, 1875	July 31, 1883	8.12
Gartmeier, Frederick	July 18, 1876	June 2, 1885	9.03
Gauß, John J. P.	Oct. 15, 1879	Sept. 17, 1888	7.69
Genther, Frederick	Feb. 3, 1877	Dec. 27, 1886	8.91
Gibson, Irvin M.	April 7, 1878	Oct. 22, 1885	8.04
Githens, Harry W.	July 8, 1878	Dec. 27, 1886	8.81
Githens, Sherwood	July 2, 1880	Jan. 7, 1888	7.87
Gold, Clifford	Aug. 8, 1877	Dec. 27, 1883	6.81
Gonder, Percy M.	Feb. 16, 1876	Oct. 22, 1885	8.43
Goodyear, Adam G.	Oct. 24, 1877	May 31, 1886	7.48
Gormley, Robert L.	Jan. 29, 1878	May 31, 1886	7.10
Graesser, Ferd. G.	March 2, 1880	Dec. 31, 1889	8.84
Graham, Samuel	Sept. 1, 1877	Dec. 27, 1886	8.43
Griffith, Harry W.	Sept. 24, 1876	Feb. 23, 1886	8.04
Guinn, John R.	Jan. 28, 1877	Sept. 14, 1886	7.88
Hackott, Peter	July 13, 1877	Dec. 31, 1885	8.28
Hagan, John	April 24, 1876	June 2, 1885	7.75
Hall, Chas. F. S.	Dec. 16, 1876	Oct. 23, 1885	6.64
Hall, Herbert M.	Nov. 16, 1877	May 31, 1886	7.87
Hapson, James	April 11, 1877	Dec. 30, 1885	6.95
Harrigan, John	June 26, 1878	Sept. 14, 1886	7.89
Hassard, James	Dec. 5, 1876	Dec. 29, 1884	7.71
Hausmann, George	Nov. 2, 1877	June 2, 1886	8.35
Heider, Israel F.	Aug. 28, 1875	June 10, 1884	.....
Henderson, Harry H.	Sept. 21, 1875	June 10, 1884	8.10
Henzel, Alfred	Sept. 19, 1878	Dec. 20, 1886	7.21
Herman, Frank	April 23, 1875	June 3, 1884	8.26
Hess, Charles Edw.	April 20, 1876	March 13, 1886	7.56
Hoover, George	Nov. 7, 1877	July 29, 1887	6.66
Huhn, Charles	May 14, 1878	July 15, 1884	7.57
Hull, Howard J.	Nov. 9, 1877	Oct. 17, 1887	8.87
Hundertpfund, Edw. J.	May 21, 1878	May 31, 1887	7.31
Hyndman, Charles H. G.	Oct. 20, 1878	Sept. 21, 1887	8.39
Ihrig, Frederick L.	March 24, 1879	Dec. 27, 1886	7.15
Irons, Joseph	June 15, 1876	June 12, 1885	8.64
Jneckel, Hugo A.	March 31, 1879	Dec. 27, 1886	8.65
Jagers, Clarence W.	March 27, 1877	Dec. 29, 1885	8.24
James, George	Aug. 1, 1877	Dec. 27, 1883	8.99
Jamison, Alexander	Aug. 7, 1879	Dec. 27, 1886	7.93
Jeckel, Charles A.	Oct. 26, 1877	Dec. 20, 1886	8.16
Jenkins, James B.	Sept. 21, 1877	July 2, 1884	7.43
Johnson, Enoch C.	Nov. 23, 1878	Dec. 29, 1887	8.30
Johnson, George W.	Jan. 2, 1875	Jan. 7, 1884	7.74
Johnstone, Abraham B.	Nov. 4, 1877	Dec. 30, 1886	7.06
Jones, Samuel	May 23, 1878	Dec. 30, 1886	8.05
Jones, Tontalene	July 22, 1876	June 12, 1886	7.36
Kalek, Albrecht	Feb. 9, 1877	June 6, 1883	8.93

FOURTH SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Term.</i>
Koch, Emil	Feb. 24, 1877	Dec. 27, 1883	9.00	3.78
Koon, William D. W.	Nov. 11, 1877	Dec. 27, 1886	7.31	6.28
Kohn, Samuel D.	Aug. 3, 1878	Sept. 13, 1886	8.89	9.43
Kennedy, Daniel J.	July 4, 1878	March 12, 1886	8.12	7.86
Kerlin, George H.	Feb. 26, 1877	Feb. 23, 1886	7.04	6.68
King, Thomas	June 3, 1879	Oct. 24, 1887	7.44	7.99
Knox, Lewis C.	Oct. 28, 1877	Dec. 27, 1886	8.87	9.60
Koon, Samuel D.	Aug. 12, 1877	Dec. 29, 1884	9.04	8.06
Kochl, George W.	Dec. 2, 1875	June 12, 1885	7.44	9.57
Krause, Joseph	Sept. 13, 1878	Dec. 27, 1886	7.38	8.68
Krumm, Christian	July 25, 1875	June 3, 1884	8.08	9.11
Kühn, William	Sept. 12, 1877	June 30, 1886	6.68	8.34
Leampark, Edward H.	Sept. 3, 1875	June 3, 1884	8.29	8.20
Landin, John M.	Feb. 2, 1878	Oct. 2, 1886	8.07	5.43
Lawler, William H.	Aug. 27, 1878	Dec. 27, 1886	8.37	9.70
Leber, Henry C.	Nov. 2, 1877	Jan. 4, 1887	8.43	8.37
Leman, Frederick K.	Feb. 14, 1877	Dec. 27, 1886	7.53	7.61
Leinig, Joseph M.	Feb. 27, 1878	May 31, 1886	8.25	7.39
Lewering, William C.	Jan. 15, 1876	Dec. 27, 1883	8.34	8.37
Liley, Frank	July 14, 1875	Dec. 29, 1884	—	—
Lindsay, David A.	July 17, 1875	June 2, 1885	9.55	9.48
Lofland, Charles H.	May 2, 1877	Dec. 30, 1886	7.48	8.30
Long, Henry D.	Oct. 20, 1878	Dec. 27, 1886	7.33	5.92
Lowry, Leon M.	Dec. 4, 1877	Dec. 29, 1886	7.08	4.93
Lynch, Frank	March 12, 1877	Sept. 14, 1886	8.69	7.04
McAnallen, Howard	Aug. 24, 1878	Feb. 23, 1889	7.19	6.83
McCray, Matthew	May 16, 1877	March 15, 1886	8.04	7.84
McCurdy, James	May 3, 1877	June 6, 1883	7.83	6.11
McDonough, Herbert T.	July 24, 1879	Dec. 20, 1886	7.39	6.77
McEwen, Henry L.	Dec. 4, 1877	Dec. 27, 1886	8.95	8.41
McHenry, Warren	June 2, 1876	May 31, 1886	6.89	6.73
McIntyre, James P.	Sept. 3, 1877	May 31, 1886	6.96	9.71
Maeh, Horace M. B.	April 21, 1877	May 31, 1886	7.70	9.11
Mackey, Clarence S.	May 16, 1877	Jan. 26, 1886	7.18	7.01
Milpous, Charles H.	Feb. 16, 1877	May 31, 1886	8.43	8.51
Manson, John	Nov. 21, 1875	Dec. 29, 1884	6.66	2.01
Margie, William E.	April 22, 1875	June 22, 1883	6.94	5.41
Massey, Malin McM.	April 6, 1877	June 11, 1886	8.55	8.41
Metz, Charles O.	Dec. 31, 1877	May 31, 1887	6.67	7.61
Merryless, Louis	Aug. 9, 1879	Dec. 28, 1888	7.05	8.7
Merr, Charles	July 6, 1879	Dec. 27, 1886	7.80	8.8
Mitch, Charles	Sept. 21, 1878	Dec. 27, 1886	6.80	6.6
Miller, Albertus W.	June 22, 1875	Dec. 29, 1884	7.04	7.0
Mooney, Thomas	Feb. 12, 1876	Dec. 30, 1886	8.07	9.8
Moore, Harry H.	May 16, 1877	March 18, 1886	7.26	6.3
Mullen, Oscar J.	Feb. 13, 1877	Sept. 18, 1885	8.11	7.6
Mulloy, Harry P.	March 16, 1880	Dec. 30, 1886	7.67	9.2
Nattress, John E.	June 15, 1875	Feb. 21, 1883	—	6.7
Naves, James A.	March 29, 1876	Dec. 29, 1884	7.77	8.3

FOURTH SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>
Nesbitt, Robert J.	Aug. 6, 1876	Feb. 17, 1885	8.31
Nesbitt, Thomas H.	Oct. 9, 1878	Dec. 20, 1886	9.06
Nichols, Elmer	Aug. 18, 1875	June 3, 1884	8.70
Nickel, Jacob	June 10, 1878	Dec. 27, 1886	7.26
Nickerson, Philip	June 2, 1878	Sept. 14, 1886	7.51
Nickerson, Samuel E.	June 29, 1876	Feb. 18, 1885	7.66
Ogdon, David S. N.	Dec. 1, 1875	Sept. 18, 1885	8.81
Olcott, George A.	Aug. 26, 1876	Dec. 31, 1884	7.59
Olsen, Harry	Sept. 4, 1877	Dec. 30, 1886	9.09
Parker, John S. M.	Jan. 27, 1879	Dec. 27, 1886	6.54
Parker, Samuel	Oct. 31, 1876	Oct. 22, 1885	7.06
Patterson, Walter G.	Sept. 21, 1878	Dec. 27, 1886	8.29
Pferry, Charles E.	Dec. 29, 1876	Oct. 25, 1885	7.20
Phillips, Joseph W.	June 3, 1876	Dec. 29, 1885	8.98
Pierce, Lewis H.	Dec. 14, 1876	Sept. 18, 1885	8.39
Poulson, Herbert W.	Feb. 2, 1876	Sept. 18, 1884	7.21
Pretzman, Isaac H.	Nov. 17, 1876	June 11, 1885	7.67
Pyle, Joseph K.	Feb. 12, 1877	June 2, 1886	6.62
Qualle, John S.	Oct. 4, 1877	May 31, 1886	7.97
Quereau, Harrison E.	June 25, 1875	Jan. 19, 1884	8.38
Radford, Robert	April 12, 1879	Dec. 27, 1886	9.04
Raimond, Richard C.	Sept. 9, 1876	June 2, 1885	8.39
Ranagan, William C.	Oct. 24, 1877	Dec. 30, 1886	8.05
Rankin, Joseph C.	June 28, 1877	Dec. 27, 1886	7.25
Reilly, Bernard	Jan. 15, 1878	Jan. 4, 1887	6.96
Renouf, Eugene	May 29, 1877	May 31, 1886	7.15
Rittenhouse, Alexander D.	July 23, 1877	March 12, 1886	8.51
Roberts, William	June 22, 1877	Sept. 13, 1886	8.49
Rowe, William M.	July 2, 1876	June 12, 1885	8.40
Russell, David W.	March 5, 1879	Dec. 27, 1886	7.21
Sayers, William E.	Nov. 14, 1876	Feb. 23, 1886	8.66
Saylor, Charles O.	Jan. 21, 1879	Dec. 20, 1886	7.12
Schäffer, Chas. A.	July 27, 1877	Dec. 27, 1886	7.01
Schaulfer, Chas. Aug.	Oct. 23, 1876	Dec. 30, 1885	7.58
Schmeller, Frank	Sept. 4, 1878	Dec. 27, 1886	7.58
Sedenger, Philip-N.	July 2, 1877	March 12, 1886	8.75
Sellers, Ray	Sept. 14, 1878	May 31, 1887	7.50
Seybert, Charles H.	April 16, 1879	Dec. 20, 1886	7.27
Shelley, Samuel M.	Dec. 18, 1875	Feb. 18, 1885	8.03
Shields, Charles F.	Jan. 2, 1877	Dec. 27, 1886	8.62
Shuman, Omar M.	Oct. 20, 1878	Dec. 21, 1886	9.00
Simms, William	Sept. 1, 1875	Dec. 29, 1884	6.84
Singer, Theodore R.	Aug. 17, 1876	May 28, 1885	8.17
Smith, Edgar A.	Sept. 2, 1879	Dec. 20, 1886	6.24
Smith, Emmanuel C.	March 15, 1878	Dec. 21, 1886	6.67
Smith, George D.	June 14, 1876	June 2, 1885	8.86
Smith, Jacob S.	March 17, 1877	Dec. 29, 1885	6.51
Spaeth, Augustus	Feb. 28, 1878	Dec. 27, 1886	6.98
Steicher, Herman	Nov. 3, 1875	June 3, 1884	8.30

FOURTH SCHOOL

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct</i>
Sexts, Henry J.	Nov. 25, 1877	May 31, 1886	8.40	8.64
Seay, Harry	Nov. 7, 1876	Dec. 30, 1885	8.68	9.35
Sevenshalm, Harry	Nov. 8, 1875	Dec. 29, 1884	8.28	9.85
Seibel, Francis J.	March 13, 1876	March 12, 1886	6.44	4.78
Sutherland, Alfred	July 14, 1875	June 10, 1884	8.34	8.60
Sumner, Daniel	Aug. 22, 1877	Dec. 30, 1886	7.26	3.45
Swetney, Matthew	April 12, 1876	Dec. 29, 1884	7.42	7.78
Tarkenton, Robert S.	June 19, 1876	Sept. 16, 1886	9.08	7.60
Thom, Henry C.	April 18, 1877	Jan. 7, 1887	7.60	9.43
Thompson, Charles B.	April 24, 1876	May 31, 1886	7.11	9.42
Tindle, Thomas	Nov. 3, 1877	Dec. 27, 1886	7.59	8.96
Titreville, Ernest E.	June 3, 1877	Dec. 27, 1885	8.34	9.19
Trook, Lancaster T.	March 4, 1877	Dec. 27, 1886	8.58	8.53
Tustin, John F.	Dec. 1, 1875	June 12, 1884	8.23	8.55
Tuttle, William N.	Oct. 21, 1876	Aug. 17, 1888	7.11	9.30
Wagner, Albert D.	March 27, 1877	Dec. 27, 1886	7.56	8.87
Wagner, Paul M.	Oct. 28, 1877	Dec. 20, 1886	8.28	7.25
Wandrum, Lloyd	Jan. 24, 1877	Jan. 7, 1886	8.16	8.86
Welmeyer, John H.	Dec. 6, 1875	Sept. 25, 1882	7.16	8.13
Weil, Samuel R.	March 8, 1878	May 31, 1887	7.36	7.80
Weiss, Harry	May 25, 1879	Dec. 27, 1886	7.67	7.99
Wertz, John de M.	May 12, 1877	May 31, 1886	8.66	8.99
Whiteman, George W.	Dec. 18, 1876	June 2, 1886	6.67	6.22
Wike, Edgar	Nov. 10, 1875	Oct. 22, 1885	8.96	9.04
Williams, David T.	Nov. 25, 1877	Dec. 30, 1886	7.24	8.19
Williams, Orrin O.	Feb. 12, 1876	Dec. 19, 1884	8.48	8.72
Wilshire, Arthur	Sept. 7, 1876	June 2, 1885	8.47	9.40
Wolfe, Charles S.	May 3, 1877	May 31, 1886	8.39	7.75
Wood, Clarence M.	Dec. 3, 1876	Sept. 14, 1886	8.17	9.87
Wood, Thomas	May 25, 1878	Sept. 13, 1886	8.71	9.41
Woodward, Elias	May 28, 1877	May 31, 1886	7.11	9.36
Wright, Richard P.	April 5, 1877	May 31, 1886	8.03	8.36
Wright, Samuel G.	Feb. 6, 1877	Oct. 23, 1885	8.41	9.65
Yonger, Joseph	March 10, 1877	May 31, 1886	7.81	9.14
Yost, Lehman	Sept. 2, 1877	Dec. 27, 1886	7.60	5.40

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Abel, Clarence B.	May 11, 1876	Sept. 18, 1885	6.43	5.48
Abronski, Lewis H. A.	Aug. 17, 1879	May 31, 1889	7.86	8.88
Alexander, William	Aug. 18, 1873	Dec. 30, 1886	7.77	9.20
Alting, Jonathan W.	June 25, 1879	June 18, 1887	6.90	9.40
Anderson, Samuel	Aug. 13, 1876	March 31, 1886	5.69	7.55
Anderson, Thomas H.	Sept. 20, 1877	Dec. 21, 1886	6.78	2.78
Applegate, Charles B.	Oct. 4, 1879	Dec. 30, 1886	7.63	6.87
Applegate, Edward D.	June 28, 1877	March 12, 1886	7.41	9.05
Arendt, Frank B.	June 7, 1879	May 31, 1888	7.61	8.48
Armitage, Wm. J.	June 14, 1877	May 31, 1886	7.04	8.02
Arnold, William H.	April 17, 1880	Jan. 15, 1889	8.35	8.03
Ash, Albert W.	Oct. 9, 1880	April 17, 1890	8.35	9.50
Basch, Philip	Nov. 5, 1879	Sept. 18, 1888	7.02	2.26
Baird, Robert W.	Oct. 5, 1877	Jan. 2, 1884	7.07	6.64
Baker, Granville M.	Aug. 29, 1878	Dec. 27, 1886	7.67	4.88
Baker, John F.	Nov. 19, 1878	Dec. 28, 1887	7.37	7.80
Barber, Joseph R.	Jan. 5, 1877	Dec. 27, 1885	6.50	7.35
Bartel, Howard B.	April 20, 1877	Dec. 21, 1886	6.74	6.57
Batesell, Horatio	Jan. 17, 1881	Dec. 28, 1887	8.43	8.26
Bauman, Oscar X.	Sept. 1, 1878	Dec. 27, 1886	8.17	9.41
Bauschdliker, Francis F.	July 5, 1875	June 2, 1885	6.58	6.17
Baxter, Ralph E.	Sept. 2, 1878	May 31, 1887	7.24	3.98
Bayne, George W. P.	Oct. 25, 1877	Sept. 14, 1886	7.07	9.15
Bechtel, Joseph S.	March 3, 1881	May 31, 1888	8.47	7.95
Beck, Anthony A.	Oct. 18, 1880	March 29, 1889	8.02	7.69
Becker, Leonard	July 22, 1877	Dec. 20, 1886	6.75	7.15
Benjamin, Henry B.	Feb. 21, 1881	May 30, 1890	8.33	9.59
Benz, Edgar H.	Nov. 29, 1880	June 14, 1889	8.39	9.56
Bergholz, Frederick	July 1, 1878	Dec. 27, 1886	7.16	6.28
Bibighaus, Alexander J.	Feb. 21, 1879	Jan. 13, 1887	7.62	8.65
Birnbaum, Charles Henry	April 11, 1878	June 3, 1884	7.13	6.48
Blair, Joseph D.	Aug. 13, 1878	Dec. 29, 1887	7.78	6.13
Bodley, Lane P.	Dec. 2, 1879	Dec. 10, 1886	7.46	7.11
Bohlen, Chas. A. W.	March 7, 1881	May 31, 1888	8.17	7.64
Bowman, Percy B.	June 10, 1877	Dec. 21, 1886	6.54	6.38
Boyes, Richard H.	Feb. 28, 1878	Dec. 21, 1886	7.77	3.98
Boyle, Michael	Oct. 5, 1875	June 3, 1884	7.39	8.33
Bradley, Charles E.	March 9, 1879	Dec. 20, 1886	7.25	4.87
Bradley, Warren K.	March 16, 1880	Dec. 30, 1886	8.41	5.23
Brehm, Frederick	Oct. 23, 1877	Sept. 16, 1886	7.56	8.64
Brenchied, George J.	June 11, 1879	Dec. 30, 1886	7.87	7.96
Brown, William L.	Sept. 18, 1879	Dec. 10, 1886	7.38	7.14
Browning, John F.	March 26, 1877	Dec. 30, 1885	7.36	9.56
Bryans, Robert H.	June 18, 1879	Dec. 31, 1886	7.29	8.00
Bubb, Henry Darrah	June 2, 1878	Sept. 21, 1887	7.34	8.54

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 12

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Co. due.</i>
Buckley, Travis W.	Feb. 1, 1878	May 31, 1886	6 81	2.
Burns, Charles	Aug. 9, 1878	Aug. 6, 1887	8 56	7.
Burt, Walter H.	April 13, 1880	Dec. 18, 1887	8 07	9.
Cahill, Charles H.	April 23, 1879	Aug. 12, 1887	7 14	4.
Campbell, Charles L.	March 13, 1881	Sept. 18, 1889	8 22	8.
Campbell, George T.	Oct. 15, 1878	Sept. 13, 1886	7 65	9.
Cantrill, Frederick A.	Dec. 13, 1878	Dec. 20, 1887	7 60	7.
Carroll, Thomas W.	Jan. 17, 1879	Dec. 20, 1887	7 10	5.
Chambers, Charles H.	Nov. 26, 1879	June 22, 1888	8 06	7.
Chandler, Walter P.	April 18, 1879	Dec. 30, 1886	7 06	6.
Chubb, George G.	April 8, 1880	Oct. 2, 1886	8 53	8.
Conr, Herman	June 24, 1877	May 31, 1886	7 49	9.
Conly, George A.	May 13, 1878	June 2, 1887	7 26	4.
Coon, Oscar	Feb. 18, 1878	May 31, 1886	6 38	5.
Cosper, Lewis B.	June 4, 1879	Dec. 30, 1886	7 01	8.
Cocoran, Daniel J.	Nov. 29, 1877	May 31, 1886	7 44	7.
Cook, Albert H.	Dec. 21, 1877	May 31, 1887	7 29	4.
Craig, Henry	Oct. 30, 1879	June 18, 1888	7 50	7.
Croves, Frank R.	March 4, 1877	Jan. 20, 1886	7 39	9.
Cromett, James	June 29, 1878	Jan. 22, 1887	7 47	7.
Cunningham, Charles A.	April 18, 1878	May 31, 1887	7 08	4.
Dady, John W.	Aug. 4, 1880	July 15, 1887	7 85	7.
Dalton, James J.	Oct. 2, 1877	Sept. 13, 1886	7 87	9.
Dalzell, Wm. T.	Oct. 8, 1879	Jan. 15, 1889	7 73	6.
Davis, Harrison	Feb. 7, 1880	Jan. 13, 1888	7 88	7.
Davis, James L.	July 3, 1879	Dec. 28, 1887	7 60	5.
Dickinson, Bertram E.	Sept. 8, 1879	May 31, 1887	8 37	9.
Duro, Reginald R.	Oct. 23, 1876	July 21, 1886	7 19	3.
Dixon, Ross Glen I.	Nov. 23, 1878	July 19, 1887	7 18	9.
Dolder, John M.	Dec. 13, 1878	Dec. 20, 1886	7 35	3.
Dona, Bernard	Jan. 13, 1878	Dec. 30, 1885	6 42	8.
Dona, Charles	Feb. 18, 1879	Dec. 27, 1886	8 01	6.
Donckley, William	Dec. 2, 1878	Dec. 30, 1886	7 25	8.
Egan, Charies	July 4, 1878	Dec. 29, 1887	7 11	8.
Emery, Charles A.	May 3, 1878	Dec. 30, 1886	7 94	6.
Emery, Morton	March 9, 1880	Dec. 30, 1886	7 88	5.
Engel, Emil	Nov. 21, 1880	Dec. 29, 1887	8 30	8.
Erskine, Samuel	Feb. 15, 1879	Dec. 28, 1887	7 39	1.
Eschels, Wm. G.	July 28, 1879	Dec. 30, 1886	7 80	8.
Evans, Frank M.	Dec. 23, 1875	Oct. 22, 1885	6 58	6.
Evans, Howell C.	Sept. 2, 1877	June 11, 1886	7 31	2.
Farlane, Parker	Feb. 17, 1877	Dec. 20, 1886	7 95	6.
Famous, Wm. P.	Aug. 27, 1878	Dec. 27, 1886	7 00	5.
Famco, Peter J.	June 15, 1878	Dec. 20, 1886	7 45	3.
Fryant, Joseph	July 9, 1879	Dec. 28, 1888	7 39	5.
Furres, Augustus	June 10, 1877	Dec. 27, 1886	6 67	9.
Fey, Lawrence C.	May 12, 1877	Dec. 27, 1886	7 18	6.
Fey, William W.	Feb. 22, 1879	Dec. 27, 1886	6 76	5.
Firth, Frederick W.	July 6, 1880	May 31, 1888	8 03	9.

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Fleu, Milton S.	June 11, 1879	Dec. 30, 1886	7.34	7.63
Fogel, Charles W.	Oct. 7, 1879	Jan. 15, 1889	7.57	9.62
Folsz, Edward J.	Aug. 18, 1877	Dec. 27, 1886	6.58	5.00
Foots, Robert	Dec. 18, 1876	Dec. 9, 1886	6.80	6.58
Foreman, William H.	Oct. 30, 1877	May 31, 1886	6.37	9.54
Francis, Robert A.	June 29, 1880	April 21, 1890	8.57	9.39
Franz, William	Nov. 2, 1880	May 31, 1889	8.23	4.43
Fromuth, Frederick G.	June 7, 1879	Dec. 20, 1886	7.22	7.28
Fry, Albert	June 12, 1880	Dec. 30, 1886	7.49	8.16
Fuchs, Henry	Aug. 23, 1880	July 21, 1887	7.84	6.74
Garber, Clinton T.	Aug. 20, 1879	Dec. 30, 1886	7.86	7.89
Garis, David W.	May 23, 1880	April 17, 1890	8.09	9.12
Garman, Walter E.	Jan. 30, 1878	Dec. 17, 1886	8.52	5.78
Garrett, Howard C.	June 24, 1877	Dec. 21, 1886	7.17	6.46
Garrett, John R.	March 29, 1879	Dec. 21, 1886	7.63	7.15
Gilchrist, Walter	Sept. 5, 1878	Dec. 27, 1886	6.74	6.25
Ginglind, Richard B.	April 23, 1878	June 10, 1884	6.96	4.07
Glessner, Charles D.	Dec. 9, 1876	Dec. 8, 1886	7.02	9.89
Gonder, Bruce	March 7, 1878	Dec. 21, 1886	8.34	9.03
Gordon, George	Feb. 20, 1881	Jan. 12, 1888	8.27	7.54
Graffen, George S.	Aug. 29, 1876	June 3, 1884	6.46	4.62
Graham, Joseph A.	Nov. 11, 1879	Dec. 30, 1886	7.60	4.93
Graham, Martin	March 28, 1880	Dec. 30, 1886	7.56	8.49
Gray, John	June 7, 1879	Dec. 30, 1886	7.11	7.60
Gray, Theodore K.	Sept. 13, 1878	Dec. 29, 1884	7.27	4.33
Gregory, Jacob	Sept. 10, 1879	Jan. 13, 1888	8.49	9.24
Griffenberg, John C. D.	Nov. 26, 1877	June 10, 1887	7.17	8.69
Griffenberg, Thomas M.	March 2, 1880	Dec. 28, 1888	7.53	8.46
Griffin, Joseph T.	May 1, 1880	May 31, 1889	7.64	3.06
Grime, Harry C.	March 11, 1878	Sept. 13, 1886	7.80	4.15
Hase, William H.	Jan. 26, 1875	Jan. 8, 1885	7.83	9.69
Hagenbuch, Joash H.	Feb. 18, 1878	Sept. 13, 1886	6.77	9.58
Hancock, William C.	April 19, 1878	Dec. 21, 1886	7.16	6.84
Harder, John F.	Sept. 14, 1885	April 19, 1890	8.51	9.91
Harder, George W.	Oct. 21, 1876	Dec. 27, 1886	7.51	8.80
Harrison, John S.	Sept. 27, 1876	Sept. 14, 1886	6.97	5.46
Harter, Wm. M.	Oct. 8, 1881	Dec. 28, 1888	8.22	9.66
Hartzfeld, Benj. H. B.	March 26, 1885	Dec. 30, 1886	8.32	8.48
Hatton, Franklin P.	Sept. 4, 1878	Dec. 20, 1886	7.53	6.93
Hatton, William	Jan. 9, 1880	Dec. 30, 1886	7.81	8.39
Haydt, Harry	Jan. 8, 1877	Dec. 20, 1886	7.11	7.15
Hazzard, William R.	June 16, 1877	May 31, 1886	.....	.....
Heeré, Charles L.	June 19, 1877	May 31, 1887	6.82	6.87
Henneke, Herman A. B.	July 21, 1879	May 31, 1887	7.91	7.77
Herman, Nicholas	Dec. 23, 1878	Dec. 20, 1886	7.31	8.48
Hill, Joseph T.	May 8, 1880	April 26, 1890	8.04	8.78
Hinkle, George W.	Sept. 25, 1876	Aug. 30, 1886	7.07	6.63
Hollingsworth, Howard	March 29, 1879	May 31, 1887	7.84	7.55
Holmes, George W.	Feb. 25, 1880	March 12, 1886	8.56	7.90

THIRD SCHOOL.

NAME.	Born.	Admitted.	Student ship.	Con- duct.
Balmain, Paul	Oct. 19, 1876	Jan. 6, 1883	6.93	5.99
Howard, George H.	Feb. 15, 1877	June 1, 1886	7.06	5.33
Howe, Charles M.	Dec. 4, 1880	May 31, 1889	7.60	8.14
Hughes, Norman C.	Aug. 10, 1879	Jan. 15, 1889	8.09	6.68
Hughes, James	Sept. 7, 1878	Oct. 10, 1887	7.11	6.43
Hull, Richard E.	Dec. 05, 1879	Oct. 07, 1887	8.16	8.98
Hudson, James A.	Dec. 04, 1877	May 31, 1886	7.58	6.43
Jenkins, Henry Z.	Dec. 19, 1879	Dec. 30, 1886	7.09	6.17
Johnson, Burleigh J.	Sept. 10, 1879	June 15, 1889	8.30	9.09
Johnston, George	April 10, 1879	July 16, 1887	7.86	7.31
Kanfar, Wayne O.	Dec. 06, 1877	May 31, 1886	6.79	7.76
Kelm, John M.	Oct. 13, 1880	Dec. 08, 1887	7.03	9.30
Keller, Joseph	April 17, 1878	Dec. 07, 1886	7.34	7.10
Kelley, William H.	Aug. 6, 1879	Dec. 00, 1886	6.49	8.83
Kelly, William, 1st	Feb. 10, 1876	Sept. 00, 1886	8.03	7.73
Kelly, William, 2d	Jan. 19, 1880	May 31, 1887	8.08	7.60
Kempster, George	Aug. 07, 1879	Dec. 08, 1887	8.48	9.70
Kennedy, Howard S.	Aug. 30, 1879	Dec. 27, 1886	8.30	9.70
Kerr, Gustavus A.	June 2, 1879	May 31, 1886	7.78	9.00
Kerr, James R.	Jan. 6, 1879	Dec. 30, 1886	7.33	8.49
Kenzald, James	April 10, 1878	Dec. 07, 1886	7.89	7.15
Knox, Joseph T. E.	Dec. 10, 1878	Dec. 01, 1886	8.71	7.44
Kosgel, William	July 8, 1880	May 31, 1887	8.13	5.80
Kraft, Charles	Feb. 27, 1876	Dec. 09, 1884	.....	.....
Kraft, Norwood V.	Nov. 1, 1877	May 31, 1886	.....	.....
Krebs, Harry G.	June 4, 1879	Dec. 30, 1886	7.93	9.79
Leach, Charles D.	Nov. 8, 1876	Dec. 08, 1887	7.58	7.30
Ladley, Lawrence B. H.	Dec. 3, 1878	Dec. 30, 1886	7.54	8.57
Laird, Chas. Howard	Sept. 23, 1877	May 31, 1886	6.86	5.84
Lamb, Howard N.	March 08, 1878	Dec. 07, 1886	7.96	7.04
Landenstein, Wm. H.	May 08, 1880	May 31, 1889	8.30	9.34
Laue, William L.	Jan. 13, 1878	Dec. 00, 1886	6.51	1.16
Lawson, Robert T.	April 7, 1879	May 31, 1887	8.00	7.44
Leary, William T.	June 16, 1877	June 10, 1884	7.97	4.44
Leas, Thomas K.	April 19, 1878	June 11, 1886	7.71	9.10
Liddle, Edward	June 27, 1876	Jan. 1, 1884	7.09	5.38
Light, Henry E.	July 22, 1878	Dec. 30, 1886	7.68	7.64
Lindsey, Thomas J.	Jan. 22, 1878	May 31, 1886	6.48	8.16
Loper, Earl	Sept. 15, 1879	Dec. 23, 1886	8.00	8.17
Love, George M.	Jan. 6, 1878	Dec. 01, 1886	6.77	.....
Loy, Clarence Robt.	Aug. 18, 1877	Dec. 30, 1886	7.93	5.77
Luft, William F.	Jan. 5, 1878	Dec. 00, 1886	7.55	9.15
Lyoo, Harry A.	May 1, 1878	Sept. 13, 1886	6.69	7.39
McClintock, David O.	Oct. 14, 1877	Dec. 26, 1883	5.97	9.90
McCormick, Henry E.	Feb. 08, 1881	Sept. 01, 1887	7.91	3.40
McCormick, William E.	Jan. 9, 1879	Dec. 29, 1886	7.11	4.89
McCrory, Hugh	Nov. 18, 1878	Dec. 30, 1886	7.06	6.11
McCrory, Joseph	Aug. 22, 1879	Dec. 30, 1886	8.78	7.40
McCullough, John A.	Dec. 19, 1878	Dec. 08, 1887	7.58	7.69

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
McDonough, William A.	Sept 13, 1877	June 2, 1885	7.70	5.59
McGee, Francis K.	Jan. 27, 1877	May 31, 1886	7.48	6.62
McGown, James E.	June 20, 1877	Feb. 23, 1886	7.82	7.88
McGown, Percy S.	May 21, 1879	Dec. 21, 1886	7.09	7.79
McIvor, James G.	April 25, 1880	Dec. 29, 1887	7.63	6.60
McNeill, Loughlin F.	July 21, 1879	May 31, 1887	7.46	2.33
Maug, Francis M.	Dec. 13, 1877	May 31, 1886	8.32	8.23
Machamer, Francis D.	Dec. 27, 1877	Dec. 20, 1886	6.09	2.75
Mahorter, Hugh	Dec. 16, 1876	May 31, 1886	7.23	8.61
Marks, William Lane	Nov. 13, 1878	Dec. 27, 1886	8.08	2.52
Martin, Mortimer R. T.	Aug. 24, 1877	May 31, 1887	.....	4.20
Massey, George L.	Nov. 12, 1877	Dec. 20, 1886	7.77	7.72
Matlack, George S.	June 20, 1878	Dec. 20, 1886	7.10	6.83
Mehrer, Albert	Jan. 13, 1877	Sept. 19, 1885	7.42	6.44
Mehrer, Thomas	July 28, 1878	Sept. 13, 1886	7.05	4.55
Metz, Linford R.	Nov. 3, 1877	Jan. 26, 1887	7.62	8.49
Mevius, William	Sept. 3, 1876	June 2, 1885	6.65	9.59
Michel, M. Paul H.	Oct. 14, 1878	Dec. 29, 1884	8.54	9.06
Miles, William B.	Aug. 26, 1877	May 31, 1887	6.99	6.84
Milhausen, John	July 21, 1880	May 31, 1889	6.87	7.81
Miller, George H.	Oct. 21, 1879	Dec. 28, 1888	8.33	7.80
Miller, Joseph W.	June 18, 1877	March 12, 1886	6.33	8.87
Moore, Edmund	Nov. 21, 1880	Dec. 29, 1887	8.30	3.55
Moore, John H.	March 18, 1877	Dec. 21, 1886	.....	.....
Moore, John J.	Feb. 14, 1878	Dec. 27, 1886	6.77	1.85
Moore, Joseph A.	July 20, 1876	Oct. 24, 1885	7.30	6.23
Morgan, David	June 4, 1879	Dec. 20, 1886	7.08	2.97
Morrison, Frank F.	Feb. 4, 1880	May 31, 1887	7.57	6.90
Morrison, John Alex.	April 16, 1878	March 30, 1888	7.77	2.73
Morrison, Thomas W.	July 18, 1881	Dec. 28, 1888	8.43	9.21
Morton, Davis W.	Jan. 8, 1880	May 31, 1889	8.10	9.63
Morton, Henry F.	Feb. 2, 1881	May 31, 1889	8.50	8.45
Mulloy, Samuel P.	Nov. 30, 1877	May 31, 1886	7.81	5.47
Nearey, William E.	Aug. 22, 1877	Aug. 22, 1887	7.22	8.75
Neddy, George L.	Dec. 14, 1878	Dec. 27, 1886	7.52	5.97
Nelson, Samuel W.	Sept. 18, 1876	June 21, 1886	7.24	5.96
Northime, Francis E.	May 30, 1879	Dec. 30, 1886	6.85	4.51
O'Connors, William A.	Dec. 24, 1877	June 20, 1887	6.74	1.52
Oertelt, Wilfred H.	April 30, 1880	Dec. 30, 1886	7.83	7.41
Osmod, Robert H.	Dec. 24, 1878	Dec. 27, 1886	7.58	5.58
Osmun, James R.	July 19, 1879	Jan. 15, 1889	7.94	9.29
Ott, Philip M.	April 24, 1880	Jan. 20, 1889	8.19	8.48
Packer, William B.	April 17, 1880	Dec. 30, 1886	8.00	7.58
Parker, James P.	Sept. 24, 1877	May 31, 1886	7.00	4.97
Parker, John M.	Oct. 5, 1875	Dec. 29, 1884	7.06	0.55
Paul, William	May 23, 1878	Dec. 27, 1886	8.02	8.47
Payne, Daniel R.	May 8, 1879	Dec. 28, 1888	7.91	9.21
Phillips, Warren D.	June 28, 1877	June 7, 1886	7.60	8.17
Pieper, John H.	Dec. 3, 1878	July 3, 1888	7.82	5.74

LIST OF DIRECTORS OF CITY TRUSTS.—APPENDIX D.

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted</i>	<i>Scholar-ship.</i>	
Parn, Michael	Dec. 17, 1879	May 31, 1887	8 05	
Powell, Alfred S.	July 22, 1877	March 18, 1886	7 34	
Powell, Frederick H.	July 16, 1879	Dec. 27, 1886	7 62	
Pohl, Henry W.	Oct. 24, 1877	May 31, 1886	8 86	
Pollinger, Russell Y.	June 26, 1881	Dec. 23, 1888	9 03	
Quier, Frederick E.	Jan. 8, 1880	May 31, 1887	8 06	
Randall, William J.	July 10, 1879	May 31, 1888	7 25	
Ransom, John	July 28, 1876	May 31, 1886	7 43	
Reynolds, George S.	Dec. 4, 1880	Jan. 29, 1889	8 24	
Riccorde, Walter	Feb. 22, 1879	Dec. 21, 1886	7 82	
Richmond, Forrest	Dec. 23, 1877	June 10, 1887	8 51	
Rugel, William C.	Dec. 31, 1878	Dec. 21, 1886	8 41	
Rutsche, Theodore	March 24, 1878	Sept. 14, 1886	7 37	
Roberts, John H.	June 28, 1879	Dec. 30, 1886	7 16	
Robinson, George J.	Nov. 24, 1877	May 31, 1887	7 08	
Robinson, John	Jan. 23, 1879	Dec. 27, 1886	7 53	
Rooder, Emil P. F.	Jan. 26, 1880	Dec. 28, 1888	7 97	
Roughsham, Jacob M.	May 9, 1881	May 31, 1889	8 22	
Royle, Frank A.	July 24, 1877	May 31, 1886	7 96	
Sagar, William M.	April 27, 1876	Dec. 30, 1886	8 01	
Saunders, Charles	April 30, 1877	Dec. 27, 1883	—	
Samsels, William F.	Feb. 10, 1879	Dec. 27, 1886	8 00	
Savary, Francis	Nov. 26, 1876	Sept. 14, 1886	7 24	
Schaller, Otto C.	Jan. 1, 1880	Dec. 30, 1889	7 83	
Scheibel, William	Feb. 4, 1878	Sept. 26, 1887	7 69	
Schlichtweg, Edward F.	May 9, 1877	May 31, 1886	7 00	
Schlesman, Joseph	Feb. 15, 1880	Dec. 30, 1886	7 60	
Schmeller, William	Nov. 15, 1881	May 31, 1889	8 65	
Schubert, John E.	Dec. 2, 1877	Dec. 20, 1886	6 81	
Scott, Samuel L.	Feb. 17, 1878	Sept. 23, 1887	7 24	
Sechler, William S.	Nov. 1, 1880	April 29, 1890	8 33	
Seidinger, Charles N.	Sept. 11, 1880	July 16, 1887	7 82	
Seider, Charles A.	Oct. 27, 1878	Dec. 22, 1886	7 19	
Snyder, George A.	Oct. 22, 1880	Dec. 28, 1887	8 57	
Shuster, Raymond M.	May 21, 1877	March 12, 1886	6 73	
Single, Harry	Jan. 5, 1879	Jan. 23, 1885	7 39	
Slon, Joseph A.	April 10, 1879	Dec. 30, 1886	6 97	
Smith, Albert R.	Jan. 7, 1879	Dec. 20, 1886	7 45	
Smith, Edward C.	April 10, 1875	June 5, 1884	—	
Smith, Henry Totten	Nov. 14, 1878	Dec. 27, 1886	7 05	
Smith, James S.	Jan. 26, 1878	May 31, 1886	7 54	
Snyder, Henry M.	Jan. 14, 1882	Feb. 21, 1889	8 37	
Sney, Charles H.	March 3, 1878	May 31, 1886	6 79	
Speed, Benjamin G.	Feb. 8, 1880	Feb. 23, 1886	8 11	
Staub, Walter A.	Feb. 27, 1882	Jan. 15, 1891	9 24	
Stacie, John	Dec. 25, 1878	Sept. 20, 1888	7 22	
Smicker, Charles	Jan. 9, 1877	May 31, 1886	6 86	
Stewart, William C.	May 15, 1879	Dec. 27, 1886	7 04	
Stell, Henry M.	Oct. 12, 1880	Dec. 28, 1887	7 64	

THIRD SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>
Stots, Louis	June 5, 1880	May 31, 1889	7.81
Stowe, William C.	Oct. 5, 1879	Dec. 21, 1886	8.59
Streicher, Albert	Feb. 4, 1880	Dec. 28, 1888	7.86
Terhune, Clark S.	Aug. 3, 1879	May 31, 1889	8.39
Teufel, George W.	Sept. 13, 1879	Dec. 21, 1886	7.42
Theis, Albert L.	Oct. 9, 1879	Jan. 7, 1887	7.69
Thompson, Charles W.	Nov. 28, 1877	July 1, 1884	7.89
Thompson, George T.	May 25, 1880	May 31, 1889	7.98
Timlin, Clarence F.	Nov. 9, 1880	May 31, 1889	8.24
Toelké, August	Nov. 13, 1879	May 31, 1889	7.44
Toner, Harry A.	April 18, 1879	Dec. 27, 1886	7.63
Trautmann, Nathan I.	June 30, 1879	May 31, 1889	7.63
Treglown, Henry	March 30, 1879	Dec. 30, 1886	7.86
Tuttle, Edwin W.	June 24, 1880	Dec. 29, 1887	8.38
Tuttle, John B.	May 25, 1880	April 19, 1890	8.41
Tyler, Charles C.	Sept. 15, 1877	June 3, 1884	.....
Van Horn, David A.	May 5, 1877	Jan. 9, 1886	6.91
Vogt, Frederick F.	Feb. 5, 1878	Dec. 29, 1887	6.82
Walde, William	Feb. 6, 1881	May 31, 1888	8.28
Warthman, Albert P.	Oct. 7, 1880	Oct. 21, 1887	8.09
Watson, Horace P.	May 5, 1880	June 14, 1889	7.91
Weider, Albert J.	June 10, 1879	May 31, 1887	7.19
Weil, Charles R.	Sept. 7, 1879	July 15, 1887	7.80
Weintraub, Morris	July 22, 1878	Dec. 27, 1886	7.58
Weller, Frederick	Sept. 14, 1877	July 22, 1887	7.00
White, Andrew R.	Jan. 29, 1879	Dec. 27, 1886	7.23
Wiley, Charles K.	Aug. 1, 1880	Dec. 28, 1888	8.15
Willet, Calvin A.	April 4, 1879	Dec. 27, 1886	7.30
Williams, Edgar H.	March 28, 1879	July 22, 1887	8.06
Williams, Richard L.	March 3, 1880	Dec. 30, 1889	7.84
Wilson, Albert E.	April 4, 1877	Dec. 21, 1887	7.75
Wilson, Francis T.	Sept. 17, 1875	June 10, 1884	6.84
Wilson, Howard G.	May 27, 1880	Jan. 21, 1887	8.45
Wilson, James	Aug. 19, 1879	Jan. 15, 1889	7.94
Wilson, William V.	March 28, 1877	Dec. 29, 1885	7.02
Wissenger, Ernest C.	June 27, 1875	June 3, 1884	7.42
Wolfe, Jonathan A.	Dec. 18, 1879	Dec. 27, 1886	7.17
Wolff, John D.	Nov. 10, 1877	Dec. 27, 1886	.....
Wolkopf, John W.	Nov. 1, 1878	May 31, 1887	7.84
Wood, David	Dec. 3, 1880	Jan. 13, 1888	7.75
Woodburn, William	April 27, 1879	Dec. 29, 1887	8.39
Wray, Charles A.	April 11, 1877	May 31, 1886	7.14
Wright, Harry G.	Feb. 14, 1879	Dec. 27, 1886	7.90
Wylam, Clayton W.	March 30, 1879	Sept. 26, 1888	7.07
Young, Edwin J.	Aug. 18, 1877	May 31, 1886	8.22
Ziegler, Stephen G.	Oct. 25, 1879	Dec. 28, 1888	7.93
Zuern, Charles	Jan. 28, 1879	Jan. 5, 1887	7.34
Zweiner, Jacob F.	June 6, 1875	Dec. 29, 1884	.....

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Abell, William	Feb. 2, 1883	Feb. 22, 1889	7.54	8.21
Adams, John H.	Jan. 10, 1880	June 21, 1888	7.36	8.30
Adams, William H.	Dec. 30, 1879	Dec. 30, 1886	7.60	6.91
Albright, Henry	Jan. 20, 1882	May 31, 1888	7.47	6.61
Almond, Bayard S.	June 19, 1881	April 21, 1890	7.04	7.00
Alhous, Albert W.	Aug. 24, 1883	April 18, 1890	7.86	7.08
Anaya, Samuel C.	April 7, 1882	June 14, 1888	7.93	7.61
Armstrong, Henry V.	Sept. 21, 1881	Dec. 30, 1890	7.69	7.41
Atkinson, John H.	March 28, 1881	April 17, 1890	7.61	9.81
Avery, Frank E.	Feb. 17, 1881	Dec. 30, 1890	8.33	8.88
Bader, Harry V.	Nov. 1, 1879	Dec. 31, 1886	8.17	0.31
Bard, Henry L.	March 18, 1881	Dec. 28, 1888	7.45	7.31
Baker, Bala H.	March 19, 1880	June 14, 1889	7.17	9.61
Baker, Charles D.	Feb. 14, 1878	Jan. 4, 1887	7.31	5.91
Baker, Ross P.	Dec. 16, 1880	Dec. 29, 1887	8.08	7.71
Barlow, Joseph H.	April 6, 1880	June 21, 1888	8.11	6.31
Barda, Andrew H.	Nov. 21, 1882	April 21, 1890	8.66	8.41
Barnes, William H.	May 12, 1882	June 14, 1889	7.69	8.81
Barnes, William	March 6, 1879	Dec. 30, 1888	7.74	5.81
Bass, Edward E.	July 20, 1878	Sept. 14, 1886	7.70	5.91
Bay, Ernest H.	Dec. 29, 1882	April 19, 1890	7.85	8.11
Be, Monroe H.	Feb. 26, 1882	Jan. 21, 1890	8.45	7.91
Beane, Frank E.	May 25, 1882	May 31, 1889	7.72	7.91
Beard, Carl J.	Dec. 8, 1882	April 18, 1890	7.91	5.21
Beard, Guy W.	Feb. 6, 1881	April 18, 1890	8.20	8.01
Beaumont, Walter W.	June 10, 1880	Dec. 29, 1887	7.64	8.71
Buck, George H.	Aug. 16, 1877	May 31, 1886	7.84	7.81
Buckman, Philip O.	Aug. 17, 1879	Dec. 29, 1887	6.60	5.61
Buhary, George	March 4, 1882	April 19, 1890	8.49	9.21
Buhary, Harry	May 4, 1883	April 23, 1890	7.58	9.61
Buhary, William M.	Jan. 21, 1881	May 31, 1889	6.63	8.21
Bull, Henry	Feb. 5, 1881	Feb. 16, 1889	7.84	5.91
Burner, William W.	Oct. 12, 1881	May 31, 1890	7.42	6.31
Burg, Bertram P.	May 12, 1882	April 21, 1890	8.14	8.11
Burgham, Samuel	Dec. 30, 1880	Dec. 31, 1889	7.75	8.81
Burner, Charles H.	July 9, 1882	April 30, 1890	8.10	8.91
Buss, Frederick M.	Dec. 4, 1881	May 30, 1890	6.99	7.11
Buss, Thomas Manley	Dec. 26, 1880	April 17, 1890	7.49	9.91
Bayer, Edgar H.	June 25, 1882	June 20, 1889	7.86	7.11
Bushog, John P.	May 25, 1881	Dec. 28, 1888	8.03	8.01
Bowditch, Gustave	April 5, 1880	Dec. 30, 1889	7.08	4.81
Burden, Jacob M.	Dec. 2, 1881	April 30, 1890	6.34	8.21
Bayer, Clayton I.	May 5, 1882	April 30, 1890	7.78	8.01
Bayer, William F.	June 4, 1881	May 31, 1889	7.63	6.01
Boorman, Chas. I.	Nov. 17, 1880	April 17, 1890	8.30	8.81
Bowman, Howard B.	Dec. 27, 1881	May 2, 1889	7.39	6.91

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duc.</i>
Boyes, Thomas P.	Nov. 7, 1880	May 13, 1888	6.63	5.1
Bradley, James	June 2, 1881	June 15, 1888	8.38	7.1
Bramwell, James	March 30, 1880	Sept. 18, 1889	6.49	7.1
Briggs, Walter S.	Feb. 2, 1883	April 19, 1890	8.32	8.6
Brill, Adam C.	Feb. 5, 1880	Dec. 30, 1889	6.50	7.0
Brines, Frank Roy	May 10, 1878	Feb. 28, 1886	8.46	8.1
Brinton, Sumner Howard	Oct. 3, 1880	Dec. 31, 1889	6.97	7.8
Britt, Peter	Jan. 7, 1880	June 14, 1889	8.42	9.8
Brown, Charles J.	April 11, 1883	May 1, 1890	8.24	9.2
Bryan, George	Nov. 1, 1879	Dec. 30, 1886	7.77	7.4
Bryant, Winnatta	April 5, 1881	April 30, 1890	7.39	6.9
Buchmann, Albin E.	Sept. 20, 1879	June 28, 1887	5.14	8.0
Buckman, Wm. W.	May 23, 1879	Dec. 30, 1886	6.90	3.9
Buss, Charles H.	Sept. 16, 1881	Dec. 31, 1889	6.62	8.5
Byrne, Thomas P.	Feb. 24, 1881	May 31, 1887	7.34	7.7
Cahill, George W.	Sept. 24, 1880	Aug. 12, 1887	8.06	7.0
Cairns, Robert M.	Oct. 27, 1878	May 31, 1888	7.70	9.1
Carr, Charles H.	Dec. 1, 1879	Jan. 24, 1889	7.88	7.8
Carter, Charles G.	Oct. 10, 1881	May 30, 1890	7.54	7.6
Clark, Joseph S.	June 14, 1880	Jan. 12, 1888	8.34	9.9
Claus, William	Jan. 8, 1880	Dec. 30, 1886	6.85	7.8
Clemmency, John H.	Feb. 3, 1880	April 21, 1890	7.25	7.8
Coady, Henry	Sept. 28, 1880	May 31, 1889	7.94	5.7
Corcoran, Stephen	Oct. 25, 1876	May 31, 1886	7.80	8.5
Correll, Jno. Clayton	Dec. 25, 1879	Dec. 28, 1886	7.54	5.0
Corrier, Constantin	March 19, 1881	Dec. 31, 1889	7.70	9.5
Cosgrove, Francis	April 30, 1881	May 30, 1890	8.08	8.0
Creighton, Howard H.	Jan. 29, 1881	May 31, 1888	7.34	8.2
Crispen, Francis R.	April 25, 1883	April 17, 1890	8.33	9.8
Crossley, George E.	May 18, 1881	April 17, 1890	6.60	8.0
Cunningham, Wm. L.	Nov. 26, 1880	May 31, 1887	8.00	8.9
Curran, John P.	March 18, 1878	Sept. 14, 1886	7.83	7.4
Dadling, Charles H.	June 27, 1881	April 19, 1890	8.12	8.8
Dalton, Thomas J.	Feb. 15, 1880	Sept. 13, 1886	6.12	6.5
Dalton, William	Feb. 16, 1881	Aug. 1, 1887	6.09	6.7
David, J. Clement	April 8, 1879	Dec. 30, 1886	7.45	7.2
Davis, Audubon	May 22, 1881	Dec. 28, 1888	7.34	8.7
Davis, Ellsworth S.	Jan. 14, 1878	May 31, 1887	7.10	7.1
Davis, Frank B.	April 18, 1882	May 30, 1890	8.13	8.2
Davis, Walter L. E.	Oct. 7, 1879	June 14, 1887	7.05	7.3
Davis, William J.	Aug. 7, 1880	April 21, 1890	8.22	8.9
Deal, Horace	Jan. 15, 1883	Dec. 30, 1890	8.17	8.0
Derleth, Frederick W.	Jan. 28, 1880	Oct. 29, 1889	7.07	8.1
Devlin, Joseph P.	Oct. 26, 1879	June 14, 1889	6.65	9.7
Dodson, Robert E.	Sept. 12, 1882	Jan. 21, 1890	6.69	6.7
Dolan, Stephen	Nov. 1, 1878	June 8, 1887	7.71	8.2
Dowling, Alonzo J.	July 4, 1880	May 30, 1890	7.83	9.2
Duff, James	July 21, 1880	July 7, 1890	7.77	9.3
Dunton, George C.	Dec. 26, 1879	Jan. 5, 1886	7.62	5.8

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 131

SECOND SCHOOL.

<i>Name.</i>	<i>Born</i>	<i>Admitted</i>	<i>Scholarship</i>	<i>Conduct.</i>
Barley, Edward M. M.	Aug. 12, 1880	Dec. 28, 1887	7.04	7.00
Edwards, John W.	Aug. 2, 1879	Dec. 28, 1888	7.38	8.29
Igbert, Frederick H.	March 23, 1882	April 16, 1892	7.72	8.22
Edridge, Leighton J.	Oct. 14, 1880	April 17, 1890	7.38	4.81
Ennis, Charles E.	Jan. 7, 1882	May 31, 1889	7.40	7.56
Erskine, Thomas T. E.	Aug. 15, 1881	April 17, 1890	7.06	7.76
Evans, Jesse H.	June 20, 1883	April 30, 1890	7.33	6.54
Evans, Wm Harris	July 17, 1881	May 31, 1889	8.14	8.22
Faber, Louis M.	Sept. 4, 1882	June 19, 1892	8.09	7.50
Faher, Harvey R.	April 28, 1880	July 19, 1887	6.93	5.68
Faser, John	June 24, 1880	April 18, 1890	8.00	6.31
Fayant, Francis V	Feb. 9, 1881	Dec. 28, 1888	7.09	7.59
Fechan, Henry	Oct. 30, 1878	Dec. 27, 1886	7.50	7.15
Ferguson, Daniel P.	Feb. 20, 1880	May 31, 1889	7.36	7.30
Fetter, George E.	June 15, 1878	May 31, 1888	7.92	9.43
Fettig, Adolph B.	May 7, 1879	Dec. 20, 1886	6.96	7.08
Filer, Edward M.	Dec. 9, 1881	May 30, 1890	7.77	7.93
Finn, Benjamin	Nov. 24, 1880	May 31, 1888	8.01	8.25
Finn, Daniel	Nov. 17, 1878	May 31, 1888	8.05	8.43
Fisher, Joseph M.	Sept. 21, 1879	Feb. 21, 1889	8.07	6.96
Fisher, Robert Andrew	April 29, 1879	Jan. 13, 1888	7.19	6.85
Flier, William F.	June 6, 1878	May 31, 1888	7.77	4.45
Fletcher, John A.	Dec. 28, 1883	April 30, 1890	7.29	8.19
Fletcher, Thomas	Nov. 13, 1879	Dec. 28, 1888	7.94	8.75
Flick, George W.	July 4, 1880	June 10, 1887	7.49	5.46
Flynn, Patrick	Jan. 20, 1880	April 23, 1890	8.41	7.17
Fogel, Frank A.	Oct. 21, 1883	April 21, 1890	8.12	7.80
Fogel, Walter S.	Aug. 24, 1881	Jan. 15, 1889	7.14	7.35
Foots, Frederick J.	Dec. 12, 1876	Dec. 9, 1886	8.33	8.56
Forbes, Henry	Sept. 18, 1880	April 30, 1890	7.96	8.62
Fox, Christian	Sept. 22, 1879	Feb. 3, 1888	8.84	8.74
Fox, Herbert W.	June 28, 1878	Dec. 30, 1886	7.94	7.22
Francis, Alonso M.	Aug. 17, 1881	May 29, 1891	8.14	8.36
Frank, Christian G.	June 21, 1880	April 19, 1890	7.00	7.68
Freney, James	Aug. 27, 1879	Dec. 30, 1889	6.83	7.09
Frey, George O.	Aug. 22, 1881	Dec. 28, 1888	9.06	7.86
Frick, Zenas C.	April 18, 1882	April 17, 1890	7.61	9.29
Fulton, Thomas J.	July 18, 1881	Sept. 20, 1888	7.28	6.55
Gaffney, John	Nov. 7, 1880	Dec. 31, 1887	6.84	9.46
Gaffney, Michael F	Jan. 24, 1879	Dec. 31, 1887	8.03	9.20
Gamble, Thomas M.	Feb. 11, 1881	Jan. 26, 1888	7.80	8.00
Gardner, Robert C.	Feb. 11, 1880	May 31, 1889	7.59	8.89
Garretson, Cornelius D.	Feb. 12, 1882	Sept. 18, 1891	8.45	9.60
Gartley, Miles	July 5, 1880	May 30, 1890	8.25	9.48
Gentner, John W.	Aug. 2, 1879	May 31, 1888	7.68	8.83
Gibson, Joseph N	Dec. 5, 1880	Dec. 31, 1889	7.66	5.22
Giesdunning, Walter D.	Nov. 2, 1877	Dec. 21, 1886	7.38	4.44
Goodman, Edward	Feb. 16, 1880	Sept. 18, 1889	8.31	8.00
Graham, Samuel I	Oct. 1, 1881	Jan. 15, 1889	7.72	6.99

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Grey, Robert J.	Aug. 21, 1881	June 19, 1890	7.86	8.52
Griffenberg, Robert H.	May 21, 1881	April 30, 1890	7.34	7.41
Griffiths, Henry	Nov. 26, 1880	May 31, 1888	6.84	6.82
Hafley, Noller	Dec. 6, 1881	May 29, 1891	7.54	8.51
Haigh, Charles S.	Oct. 24, 1882	Dec. 31, 1889	8.24	9.61
Hall, Howard K.	Oct. 21, 1881	April 19, 1890	7.67	9.28
Hallman, George E.	Aug. 31, 1881	April 30, 1890	8.21	7.76
Hamilton, Alexander B.	March 29, 1881	June 12, 1888	8.08	7.71
Hammond, Rousseau W.	Nov. 29, 1881	June 1, 1891	8.12	8.21
Hammond, Victor J.	Aug. 17, 1883	Oct. 2, 1890	7.21	8.72
Hanna, Alexander	Nov. 3, 1879	June 14, 1889	7.60	5.45
Harder, Frederick	May 20, 1882	April 18, 1890	7.59	9.36
Harman, George C.	Sept. 20, 1878	May 31, 1888	7.22	6.11
Harrigan, Benjamin F.	Aug. 7, 1881	Sept. 27, 1888	8.76	9.89
Harris, Jesse S.	Aug. 12, 1881	Dec. 28, 1888	7.24	7.34
Harris, Theodore W.	Feb. 26, 1880	May 31, 1889	8.13	9.23
Harris, William R.	July 24, 1882	June 14, 1889	8.30	8.77
Harrison, Thomas G.	March 31, 1882	May 31, 1888	7.55	7.17
Hartley, Asher	Aug. 16, 1880	Aug. 1, 1887	7.32	6.10
Hartman, Lloyd	Oct. 1, 1880	April 21, 1890	8.02	7.30
Hartman, Wm. W.	July 18, 1878	Dec. 27, 1886	7.41	6.80
Hartshorne, Walter	April 9, 1882	April 17, 1890	7.57	8.21
Hastie, Raymond	Dec. 9, 1878	June 27, 1888	8.20	6.10
Hutton, William A.	Nov. 15, 1880	Jan. 9, 1888	7.36	7.82
Hausmann, Louis	Aug. 12, 1881	April 19, 1890	7.85	8.48
Heck, William Ludwig	Jan. 3, 1882	Jan. 15, 1891	8.45	9.33
Hemish, William G. C.	Oct. 26, 1881	Dec. 30, 1890	7.87	6.18
Heller, James	March 23, 1881	April 17, 1890	8.21	8.62
Hemmerly, Henry H.	July 7, 1882	May 30, 1890	8.07	6.40
Henderson, Rudolph W.	July 22, 1879	Dec. 30, 1886	7.02	1.04
Henderson, Walter M.	March 13, 1880	June 14, 1888	7.61	8.05
Hershey, Harry	June 22, 1878	Dec. 21, 1886	7.96	7.62
Hershey, William H.	July 25, 1880	Sept. 23, 1887	7.23	7.71
Hickman, Frederick A.	Sept. 14, 1882	May 30, 1890	8.34	9.34
Hickman, John A.	May 26, 1882	May 31, 1889	7.17	7.60
Hill, Herbert W.	Nov. 17, 1881	April 26, 1890	7.74	8.08
Hinck, Edward	Dec. 17, 1881	April 21, 1890	7.65	7.59
Hitz, Frank A.	July 14, 1882	May 31, 1889	7.99	7.08
Hobbins, James	April 25, 1880	Dec. 30, 1889	7.86	7.26
Hoch, Howard R.	July 27, 1883	Dec. 30, 1890	7.36	7.10
Hodgeman, David E.	Dec. 30, 1881	May 31, 1889	7.90	7.86
Holliday, Henry T.	Oct. 28, 1881	June 1, 1891	8.45	7.89
Honsell, Arthur	June 4, 1882	Dec. 30, 1889	7.48	8.00
Honsell, Herman	July 15, 1878	May 31, 1887	6.98	7.33
Horn, Wm. F.	Nov. 7, 1881	Oct. 1, 1890	7.47	8.54
Horning, Lewis W.	May 5, 1881	May 30, 1890	7.36	7.83
House, William	Jan. 30, 1880	Sept. 21, 1887	7.76	8.69
Houser, George W.	Nov. 4, 1882	April 18, 1890	8.12	8.09
Howell, Edward M.	Sept. 10, 1877	Dec. 27, 1886	7.24	8.25

SECOND SCHOOL.

Name.	Born.	Admitted.	Scholar- ship.	Con- trib.
Bever, Frank L.	March 15, 1882	May 31, 1889	7.74	7.05
Bogden, Cornelius	Aug. 23, 1881	May 31, 1889	7.84	4.79
Bundermark, Edward	July 30, 1881	Dec. 28, 1888	8.15	7.74
Burgum, Bernard J.	June 14, 1880	April 10, 1891	6.77	7.79
Buckway, James A.	May 25, 1880	May 16, 1890	6.75	7.82
Busch, Walter U.	Oct. 19, 1879	Dec. 20, 1887	7.73	4.61
James, William H.	Aug. 7, 1881	Jan. 15, 1891	7.64	9.15
Juliano, Robert M.	March 20, 1880	Dec. 28, 1887	7.28	7.12
Jurkiewicz, Adolph M.	April 27, 1880	Aug. 30, 1887	7.69	7.40
John, Nathan E.	Nov. 22, 1880	April 17, 1890	7.34	7.18
Johnson, Henry	March 12, 1881	Dec. 20, 1887	7.11	6.41
Johannson, George W.	March 31, 1880	May 31, 1889	7.52	7.22
John, Edward	April 27, 1880	Aug. 31, 1887	6.47	0.52
John, Robert B.	Dec. 11, 1880	April 17, 1890	7.36	8.78
John, William	Oct. 5, 1880	June 14, 1888	7.63	5.87
Kühler, Emanuel	July 11, 1882	June 14, 1889	6.44	5.08
Kane, Harry D.	Nov. 6, 1879	Dec. 28, 1887	8.18	7.43
Kane, James	March 3, 1881	Dec. 30, 1889	7.44	6.06
Kemp, John W.	Sept. 4, 1880	June 1, 1887	8.27	8.28
Kees, Thos. J. Buckel	Oct. 13, 1880	Jan. 12, 1888	8.22	9.65
Kelley, Edward F.	March 22, 1880	May 31, 1888	7.59	7.64
Kelly, William, 1st	July 15, 1877	March 12, 1886	8.03	7.73
Kennedy, Elwood F.	Nov. 3, 1882	Jan. 21, 1890	8.07	9.32
Kennedy, James	July 15, 1883	April 21, 1890	8.47	8.48
Kennedy, John	March 7, 1881	April 21, 1890	8.37	9.59
Koore, Samuel	May 4, 1882	May 30, 1889	6.98	7.37
Korn, Leopold G.	Dec. 10, 1880	April 17, 1890	7.60	9.04
Korn, Thomas	Oct. 29, 1879	Sept. 26, 1889	7.47	7.45
Kirby, John	Aug. 20, 1881	Feb. 21, 1889	7.72	8.59
Kilham, Thos. Davis	Aug. 14, 1879	Sept. 21, 1887	8.00	8.05
Kimper, George E.	Nov. 23, 1881	Jan. 15, 1889	6.75	4.32
King, Charles E.	Feb. 14, 1880	Dec. 30, 1886	8.36	7.21
King, Olaus	Aug. 15, 1881	March 1, 1889	7.22	9.67
Klaug, Louis Chas.	March 21, 1881	April 30, 1890	7.28	6.95
Kirkland, Chas. H. M.	Nov. 16, 1880	May 31, 1889	8.63	9.00
Knap, Winfield S. H.	Nov. 14, 1880	Dec. 28, 1888	7.17	6.62
Knight, William	June 1, 1882	May 31, 1887	7.14	8.61
Koch, Louis	Aug. 20, 1879	May 31, 1889	6.48	7.44
Koppenhoefer, John	Jan. 7, 1881	May 31, 1889	7.10	5.73
Krauss, William	April 28, 1879	Dec. 20, 1887	6.68	8.28
Kunkely, Henry	Sept. 3, 1878	Dec. 27, 1886	6.18	9.38
Kunst, Herman	Oct. 15, 1881	May 31, 1889	7.63	9.18
Kuter, William	Sept. 2, 1878	Dec. 20, 1886	8.17	8.18
Labar, Bertie G.	May 2, 1881	May 31, 1888	7.16	8.90
Lechias, William I.	March 23, 1884	Dec. 30, 1890	7.61	7.03
Lebury, William W.	Dec. 11, 1881	Jan. 15, 1889	6.95	5.85
Lewis, Josiah	Aug. 3, 1880	May 31, 1889	6.84	9.52
Leanderson, Charles J.	Jan. 18, 1880	Dec. 30, 1890	6.92	8.07
Lanning, Emanuel K.	Aug. 2, 1882	April 17, 1890	7.98	8.93

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Lanning, Joseph R.	Dec. 31, 1881	Dec. 30, 1889	7.62	8.42
Laushey, Herbert R.	Nov. 27, 1881	Jan. 15, 1891	7.64	9.46
Lawlor, Richard W.	Sept. 1, 1880	Sept. 21, 1887	7.05	7.68
Lawn, Thomas H.	Feb. 28, 1881	May 30, 1890	7.98	7.19
Lawson, Jesse G.	July 30, 1880	July 29, 1887	7.42	4.52
Laycock, Robert	Aug. 24, 1881	May 31, 1889	7.40	8.19
Leckie, George W.	Feb. 22, 1882	Dec. 30, 1890	7.81	8.35
Leitch, Robert A.	June 30, 1882	June 14, 1889	7.09	6.40
Lengel, Robert Scott	April 27, 1881	June 7, 1888	8.29	6.25
Lewis, Andrew	Aug. 31, 1882	Dec. 31, 1889	8.24	8.86
Lewis, Marcus M.	Feb. 8, 1881	Feb. 21, 1889	8.42	7.69
Lingo, Howard J.	Dec. 3, 1882	Jan. 21, 1890	7.77	7.69
Linton, Frank W.	Nov. 6, 1877	May 31, 1886	8.04	8.57
Lishman, Francis H.	April 15, 1880	May 31, 1889	7.34	7.88
Livingston, Amaziah	April 20, 1880	Dec. 31, 1889	7.06	7.13
Lofland, Thomas C.	March 21, 1883	April 18, 1890	7.18	6.23
Loges, William	May 9, 1881	Dec. 28, 1888	6.87	7.17
Lowdin, Joseph W.	Dec. 21, 1880	April 19, 1890	7.37	8.33
Lower, Robert M.	Dec. 23, 1879	Dec. 29, 1887	7.68	7.98
Lowry, Charles W.	March 15, 1880	Jan. 15, 1889	7.60	8.01
Luft, Henry	Oct. 13, 1881	Dec. 28, 1888	7.67	7.90
Lukens, Elton	Dec. 17, 1881	April, 21, 1890	8.12	8.28
Lynch, Walter Jos.	July 15, 1880	June 15, 1888	6.18	1.99
McAtee, John J.	Sept. 3, 1880	May 31, 1887	6.49	2.90
McCarter, John J.	April 7, 1883	April 19, 1890	7.26	6.11
McCarthy, Thomas H.	Nov. 7, 1879	June 21, 1888	7.17	7.83
McCaugue, Daniel	Nov. 20, 1880	April 17, 1890	7.27	6.87
McCloskey, Robert H.	Jan. 7, 1881	Dec. 28, 1887	7.48	6.97
McClune, Cephas	July 29, 1880	Jan. 15, 1889	8.08	8.66
McCormick, Andrew M.	Aug. 16, 1877	Dec. 27, 1886	6.60	3.50
McCracken, James	Aug. 12, 1878	Jan. 3, 1888	7.43	7.44
McCrosen, Wm. J.	Aug. 15, 1880	April 21, 1890	8.34	9.12
McCuen, Alexander	June 18, 1880	Dec. 30, 1889	7.68	8.51
McDaid, James R.	May 4, 1881	Jan. 29, 1889	6.82	6.74
McDonough, James A.	Oct. 19, 1881	Jan. 15, 1891	7.53	7.15
McGill, Charles A.	Dec. 9, 1882	Jan. 21, 1890	7.86	8.24
McGorman, Edward	April 28, 1880	April 19, 1890	7.64	7.75
McHugh, Lewis	June 20, 1880	June 19, 1890	7.22	9.28
McKinney, Joseph W.	Feb. 22, 1882	June 1, 1891	7.86	8.21
McLaughlin, William J.	Dec. 3, 1879	Dec. 28, 1887	7.52	6.34
McNeil, Charles	Jan. 15, 1878	Dec. 30, 1886	7.39	4.36
McNeill, Thomas E.	Feb. 5, 1881	April 18, 1890	7.25	9.54
McPherson, George L.	July 12, 1879	Dec. 28, 1887	7.77	8.62
McQueen, Frederick M.	Dec. 21, 1881	April 17, 1891	7.95	6.82
Macdonald, Walter G.	Sept. 1, 1880	May 31, 1887	7.74	7.61
MacMorris, Howard	Aug. 17, 1879	May 31, 1889	7.99	7.69
Mabery, William	Oct. 9, 1882	June 6, 1891	8.48	9.37
Madison, James G.	Oct. 14, 1881	April 30, 1890	6.66	9.02
garry, Harry M.	Nov. 14, 1880	May 31, 1888	7.83	6.15

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 135

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Mahlbacker, Ludwig C.	Dec. 23, 1881	Dec. 30, 1889	7.29	7.10
Mahoney, Charles B.	Nov. 4, 1874	Dec. 27, 1886	7.25	8.63
Maur, Jacob	Jan. 4, 1878	Dec. 29, 1887	7.19	4.84
Mayer, Louis H.	July 26, 1881	May 31, 1889	7.05	9.47
Melrose, Joseph	Sept. 6, 1879	May 31, 1889	8.06	7.90
Mess, Samuel	April 7, 1880	Jan. 21, 1890	7.38	8.67
Messal, Andrew J.	Oct. 11, 1881	April 19, 1890	7.37	8.68
Marks, Augustus	Sept. 9, 1878	Dec. 27, 1886	7.61	6.60
Marks, William A.	May 3, 1881	June 14, 1889	8.14	7.08
Marshall, Charles G. A.	June 16, 1881	Dec. 30, 1890	8.05	7.91
Marshall, Samuel D.	Nov. 5, 1881	Dec. 30, 1890	7.92	7.34
Mason, Arthur H.	June 17, 1880	May 31, 1887	8.20	9.43
Mason, George	April 26, 1878	Dec. 21, 1886	7.05	6.11
Maxwell, William F.	Jan. 17, 1880	Dec. 28, 1888	7.55	8.65
Mead, Henry W.	March 28, 1880	June 28, 1889	7.58	8.11
Mercer, Charles E. W.	May 28, 1882	Dec. 30, 1889	7.67	8.22
Mergenthal, John G.	Nov. 21, 1882	April 21, 1890	7.42	9.08
Messery, John S.	Dec. 14, 1882	Jan. 15, 1889	6.86	5.94
Messers, Henry A.	Jan. 18, 1882	June 14, 1889	7.87	6.90
Mescheronch, Chas. J.	Aug. 5, 1879	Jan. 24, 1889	7.22	8.77
Mescheronch, Julius	Dec. 22, 1881	May 31, 1889	6.88	9.24
Mesher, James H.	Aug. 26, 1878	June 8, 1888	7.57	9.63
Messing, Frederick W.	March 2, 1882	April 19, 1890	7.90	7.73
Morrow, Edward	Nov. 7, 1878	April 18, 1888	7.15	3.33
Myer, Theodore T.	June 27, 1880	Dec. 20, 1886	8.05	5.58
Nathans, Charles O.	Feb. 20, 1882	Oct. 1, 1890	7.13	8.89
Nickhammer, Alfred	Oct. 8, 1882	Dec. 30, 1889	7.54	8.14
Nickhammer, Oscar R.	July 14, 1880	Dec. 30, 1889	8.02	7.47
Nico, George C.	Feb. 26, 1883	April 19, 1890	7.44	8.16
O'Grady, Standish	Jan. 20, 1880	April 30, 1890	7.27	8.30
O'Leary, John	Dec. 27, 1880	May 31, 1889	7.22	7.72
Oliphant, Charles C.	June 6, 1880	Jan. 2, 1890	7.90	6.41
Oliver, William	April 28, 1882	May 30, 1890	8.08	9.67
Openshaw, Arthur	Oct. 27, 1880	April 19, 1890	7.79	7.14
Palin, Byron G.	Dec. 28, 1880	Jan. 21, 1890	7.45	7.56
Parker, Robert	Nov. 20, 1881	Jan. 25, 1891	9.02	8.07
Partridge, Joseph W.	Nov. 30, 1882	April 17, 1890	6.78	8.34
Pennypacker, William W. H.	April 10, 1882	April 21, 1890	7.88	8.31
Phillips, William E.	April 29, 1882	May 30, 1890	7.00	8.21
Phin, Isaac	May 18, 1879	Dec. 20, 1886	6.45	3.41
Phin, Henry	Aug. 30, 1880	Oct. 2, 1886	7.77	2.7
Pinous, Peter B.	Nov. 5, 1876	Dec. 30, 1886	7.37	6.9
Potts, Barclay F.	April 1, 1881	Jan. 15, 1891	8.13	7.2
Poulson, Martin S.	March 18, 1881	Oct. 3, 1888	7.47	5.2
Prior, Isaac	March 31, 1878	June 7, 1886	6.72	6.7
Price, Joshua Alex.	Jan. 29, 1879	Dec. 28, 1888	7.76	9.1
Price, Robert W.	May 15, 1881	May 31, 1888	8.13	7.4
Quirk, William E.	Oct. 1, 1881	April 21, 1890	7.86	8.4
Randolph, Franklin	May 18, 1881	June 21, 1888	7.67	6.1

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Rastry, John	March 16, 1882	June 14, 1889	7.58	8.51
Rastry, Leonard	Aug. 19, 1880	June 14, 1889	8.08	8.01
Rainey, Robert	Aug. 30, 1879	June 16, 1888	8.05	4.41
Ramer, Noah	Sept. 10, 1883	May 29, 1891	8.39	9.56
Ramsdale, Thomas W.	May 16, 1883	April 17, 1890	7.57	7.19
Ranck, Louis N.	Jan. 1, 1881	May 31, 1888	8.04	9.95
Rankin, William J.	March 24, 1881	June 5, 1888	7.11	8.26
Rassier, Christian C. E.	Nov. 10, 1881	April 18, 1890	7.95	7.18
Ratcliffe, Roy E.	Feb. 16, 1880	Jan. 21, 1890	6.65	8.76
Redamar, John J.	Jan. 13, 1882	Dec. 30, 1891	8.70	9.77
Reeder, Horace G.	March 11, 1880	June 15, 1889	8.19	9.47
Reider, George	Feb. 25, 1883	May 31, 1889	7.65	5.89
Reider, Harry	May 1, 1880	Dec. 30, 1886	8.11	8.57
Renn, Walter C.	Sept. 13, 1882	Dec. 30, 1891	8.37	9.39
Riehl, George M.	May 4, 1877	Jan. 20, 1886	8.55	8.94
Robb, Alexander	Aug. 20, 1880	May 31, 1889	6.64	3.36
Robb, James	Sept. 19, 1879	May 31, 1889	7.99	6.95
Robertson, John F.	July 22, 1880	Dec. 28, 1887	8.28	7.81
Robinson, George P.	Sept. 25, 1878	May 31, 1888	7.66	8.94
Robinson, George T.	Sept. 23, 1879	Dec. 29, 1887	8.12	8.64
Robinson, James	May 30, 1880	June 14, 1888	7.82	7.12
Robinson, John McC.	Aug. 19, 1880	Jan. 31, 1889	7.24	6.89
Rohlfing, Daniel	May 5, 1881	June 7, 1888	7.55	8.54
Rose, Clyde R.	June 10, 1879	Jan. 15, 1889	7.78	8.79
Ross, George	July 14, 1879	Feb. 21, 1889	7.36	7.11
Ross, Henry	Aug. 1, 1882	Jan. 27, 1890	8.10	7.56
Rote, Howard B.	June 29, 1882	June 1, 1891	8.30	9.18
Rudden, James	June 20, 1881	Oct. 14, 1887	7.90	8.65
Rudden, Joseph	Feb. 24, 1877	July 8, 1887	7.13	8.34
Rumsey, Marsh A.	May 16, 1881	June 29, 1889	7.97	9.23
Rupp, W. Scott	July 16, 1880	June 17, 1889	7.50	7.08
Ryan, Winfield S.	Jan. 31, 1881	Oct. 2, 1890	7.83	6.53
Samuels, James D.	May 31, 1881	July 3, 1888	7.96	7.89
Saurman, James B.	Oct. 9, 1880	April 17, 1890	7.80	8.69
Savage, James C.	Aug. 15, 1880	June 11, 1888	6.89	8.40
Saylor, Edwin H.	Aug. 27, 1879	Dec. 21, 1886	8.01	5.94
Saylor, George F.	Dec. 7, 1880	May 31, 1888	8.21	5.98
Schaller, George W.	Sept. 25, 1880	Jan. 4, 1890	7.53	8.06
Scherlé, Frederick	May 20, 1881	Dec. 28, 1888	7.61	5.85
Schlechtweg, Theodore	June 1, 1879	Dec. 30, 1886	7.88	5.15
Schlotman, Roy A.	Jan. 6, 1882	May 31, 1889	7.92	9.44
Schmidt, Edward T.	May 11, 1879	May 31, 1888	7.14	9.75
Schmidt, Fred'k William	July 17, 1880	May 31, 1889	8.22	9.08
Schmitt, Christian	March 21, 1878	May 31, 1887	7.60	8.91
Schneck, William W.	Oct. 28, 1878	Dec. 20, 1886	5.80	4.22
Schofield, John B.	Nov. 29, 1879	June 10, 1887	7.71	7.83
Scholl, Lewis M.	July 8, 1881	Sept. 13, 1888	7.18	5.30
Schuenemann, Emil B.	Sept. 27, 1881	April 21, 1890	7.95	8.17
Schum, Charles E.	Feb. 9, 1879	Dec. 20, 1886	7.66	7.54

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 13

SECOND SCHOOL

<i>Name.</i>	<i>Born.</i>	<i>Admitted</i>	<i>School- ship.</i>	<i>Con- dnt</i>
Bent, Edward M. B.	Feb. 24, 1882	May 31, 1889	7.37	8.
Benshoft, William C.	July 29, 1883	April 28, 1890	8.43	7.1
Benton, John F.	Dec. 24, 1883	May 30, 1890	7.93	8.1
Blackman, Edward W.	Feb. 12, 1882	Oct. 29, 1889	7.99	8
Blackman, William F.	July 17, 1879	Feb. 21, 1889	7.77	9.1
Blount, Henry A.	April 27, 1882	April 19, 1890	7.65	8.
Bluff, Horace R.	May 29, 1883	April 17, 1890	7.16	6.
Bluman, Leigh D.	March 20, 1882	May 31, 1889	8.91	8.
Bluman, Paul	Feb. 16, 1884	May 30, 1890	7.90	9.
Blumson, Samuel J.	Dec. 18, 1882	Dec. 30, 1891	8.36	9.
Bohling, James Harold	May 28, 1882	June 16, 1888	6.90	7
Booth, Charles H.	Aug. 14, 1878	Dec. 30, 1886	7.54	6.1
Booth, Francis	June 7, 1881	Dec. 30, 1889	7.54	8.1
Booth, Herbert A.	May 9, 1883	April 19, 1890	8.42	8.1
Booth, John M.	May 21, 1882	Dec. 31, 1889	8.16	8
Booth, Joseph G.	Nov. 25, 1876	June 5, 1886	7.28	6.1
Booth, Wash. Atlee	March 29, 1881	Sept. 13, 1888	8.02	8
Booth, William C.	April 19, 1882	May 30, 1890	7.68	7
Bryder, Winfield E.	March 8, 1884	May 30, 1890	7.90	9
Bummerston, Philip	Dec. 5, 1880	Dec. 28, 1887	8.39	8
Bummerston, Samuel	Oct. 13, 1881	Dec. 30, 1889	7.61	7
Spickler, Charles A.	March 18, 1880	May 31, 1888	6.40	5.
Spickler, Edward S.	Oct. 7, 1881	June 14, 1889	7.08	7
Stahl, Harry F.	Aug. 3, 1880	Dec. 30, 1889	7.66	4
Stanley, Thomas W.	Feb. 13, 1881	July 2, 1888	7.45	6
Stash, Edward E.	Nov. 1, 1883	May 30, 1890	8.14	6.
Statis, John J. B.	Aug. 14, 1880	Jan. 15, 1889	7.28	6.
Stem, Albert P.	Jan. 24, 1880	May 31, 1888	6.98	6.
Stevens, William G.	Jan. 14, 1880	May 31, 1889	6.93	9
Stuckburger, John	July 19, 1881	Oct. 29, 1889	7.56	8
Stuck, Philip F.	Oct. 9, 1881	Dec. 28, 1888	7.69	6.
Strobel, James	March 9, 1878	Sept. 14, 1886	7.83	5.
Stroud, Herbert L.	Aug. 5, 1883	April 30, 1890	7.49	9.
Sturgis, Zedek	Sept. 18, 1879	June 14, 1889	7.86	9.
Taggart, Theodore H.	Nov. 28, 1881	May 31, 1889	7.04	6
Taylor, Andrew W.	Dec. 22, 1879	Dec. 30, 1886	8.26	6.
Taylor, Charles A.	Jan. 2, 1880	Dec. 28, 1887	7.69	4.
Taylor, George L.	Sept. 10, 1882	April 19, 1890	8.16	6.
Taylor, Henry S.	June 7, 1882	May 31, 1889	6.63	7
Tempest, Elmer W.	March 31, 1880	June 28, 1889	7.22	8.
Temple, Oscar E.	Oct. 14, 1879	May 31, 1885	7.98	7.
Tertune, Charles E.	Dec. 19, 1881	June 24, 1889	7.20	7.
Thomas, Charles R.	Jan. 2, 1882	April 17, 1890	7.62	6.
Thomas, Elwood B.	Nov. 24, 1880	June 28, 1888	6.13	6.
Thompson, Clarence W.	Feb. 6, 1881	Dec. 30, 1890	7.79	9.
Thompson, John	Aug. 6, 1881	Oct. 12, 1888	7.92	7.
Thompson, William	Jan. 3, 1882	May 30, 1889	7.94	9
Thorley, Roy H.	Feb. 1, 1881	April 30, 1890	7.95	6.
Tolson, Alfred Joseph	Feb. 26, 1880	April 21, 1890	7.83	9.

SECOND SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Trautwein, Wilhelm	Nov. 26, 1877	May 31, 1886	7.33	8.46
Trimble, Elmer E.	Aug. 22, 1881	May 31, 1889	7.99	5.52
Trinder, John H.	July 20, 1881	March 25, 1890	7.53	6.91
Trook, Thomas S.	April 27, 1882	May 31, 1889	7.53	6.76
Trullinger, Howard W.	May 10, 1879	Dec. 21, 1886	7.70	7.64
Tyson, Francis M.	June 7, 1883	April 30, 1890	8.31	7.62
Wagner, Henry H.	May 12, 1881	Jan. 21, 1890	6.81	7.07
Waide, Clarence M.	Aug. 9, 1882	Dec. 31, 1889	7.98	8.36
Walker, Frank B.	July 31, 1881	Jan. 15, 1889	7.98	7.48
Walker, John	June 6, 1881	Jan. 15, 1889	7.11	8.41
Walsh, William H.	Feb. 8, 1882	June 19, 1890	7.80	7.10
Walter, George	May 24, 1879	Jan. 30, 1888	5.68	7.30
Walton, Clifton M.	April 21, 1878	Jan. 16, 1888	7.02	6.32
Warner, Samuel S.	Oct. 1, 1880	Dec. 31, 1887	7.29	6.77
Wattis, Samuel C.	June 20, 1877	May 31, 1886	7.42	8.13
Watts, Joseph H.	Nov. 23, 1879	June 18, 1889	7.43	5.73
Weaver, Daniel J.	May 22, 1881	Dec. 31, 1889	7.47	9.46
Weinert, Frederick	Nov. 8, 1875	June 1, 1882	.....	.....
Weintraub, Paul E.	May 28, 1880	Dec. 30, 1886	5.00	6.87
Wenlock, Joseph	Oct. 27, 1882	April 18, 1890	7.10	6.28
Wenzel, George S.	Feb. 23, 1883	Dec. 30, 1890	8.77	9.59
Wheeler, Samuel J.	Sept. 16, 1882	Dec. 31, 1889	7.04	8.63
White, Bertie B.	Aug. 28, 1881	Dec. 28, 1888	7.78	6.87
White, David J.	Aug. 21, 1881	Dec. 31, 1889	7.19	7.82
White, Robert J.	Oct. 22, 1880	April 21, 1890	8.22	8.59
White, William E.	July 2, 1879	Jan. 4, 1887	7.81	7.25
Wilkinson, John	Nov. 23, 1879	Jan. 21, 1887	7.36	7.70
Williams, Edmund	Aug. 31, 1883	April 20, 1890	8.08	9.55
Wilson, Andrew S.	Aug. 9, 1881	May 31, 1889	7.94	9.02
Wilson, Henry J.	Jan. 5, 1883	April 30, 1890	5.07	9.58
Wilson, Samuel B.	Feb. 8, 1881	April 30, 1890	8.33	8.07
Wooters, Joseph	March 25, 1882	May 31, 1888	7.41	6.54
Wray, John F.	Nov. 7, 1881	June 14, 1889	7.47	8.24
Wright, Chandler W.	Nov. 9, 1880	Dec. 28, 1887	7.23	3.87
Wynn, Franklin	Aug. 20, 1879	Dec. 27, 1886	7.87	6.72
Yeager, Albert	March 24, 1880	Dec. 30, 1886	7.13	8.34
Yeager, Robert	Oct. 6, 1882	Jan. 21, 1890	7.68	9.23
Yetter, William S.	Feb. 29, 1880	May 31, 1889	6.49	3.33
Young, Charles E.	Jan. 15, 1882	April 18, 1890	7.10	7.11
Yunger, Caspar S.	Feb. 4, 1883	April 19, 1890	7.28	8.51
Yunger, William P.	Aug. 9, 1881	Dec. 28, 1888	7.02	7.38
Zanger, John W.	Sept. 28, 1879	Dec. 29, 1887	7.70	8.36
Zeller, Ralph H.	Aug. 3, 1880	April 19, 1890	7.54	8.26

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- duct.</i>
Jarvis, Charles T.	Sept. 10, 1884	May 31, 1891	6.46	— ...
Jesse, William Chas.	July 6, 1882	Jan. 15, 1891	7.20	8.40
Jessie, Frederick M.	March 14, 1882	April 21, 1890	7.03	8.97
Albright, Bernhard	June 10, 1884	Oct. 18, 1890	8.83	8.09
Allen, Frederick E.	Sept. 24, 1884	Jan. 6, 1892	4.70	9.00
Allen, Leroy	Aug. 25, 1883	Dec. 31, 1891	5.65	4.04
Alvord, Charles F.	March 17, 1883	Dec. 30, 1892	— ...	— ...
Amber, John H.	Sept. 7, 1884	May 31, 1892	4.90	— ...
Anders, William J.	Feb. 16, 1883	April 19, 1890	7.83	8.70
Andrews, John L.	Oct. 11, 1884	May 31, 1892	7.24	— ...
Archer, William J.	April 18, 1884	Dec. 30, 1892	— ...	— ...
Arndt, Henry	April 9, 1883	Dec. 30, 1891	6.43	9.32
Arnold, Charles M.	Oct. 29, 1882	April 18, 1890	8.29	8.84
Ashburn, John H. C.	Dec. 5, 1882	Jan. 21, 1890	7.80	9.31
Ashburn, William Edw.	Dec. 5, 1884	Dec. 30, 1891	4.72	8.81
Ashby, Francis G.	Dec. 23, 1881	June 1, 1892	9.03	9.10
Atkins, William	Sept. 4, 1881	May 29, 1891	7.64	9.32
Avault, Harry H.	Jan. 19, 1883	June 15, 1891	2.50	9.62
Avery, Hallock E.	Dec. 25, 1882	Dec. 30, 1890	8.13	9.02
Baker, Clyde G.	Oct. 25, 1882	May 30, 1890	7.32	9.67
Baldwin, Winfield S.	Nov. 4, 1882	May 31, 1888	8.32	9.26
Balford, John P.	Nov. 6, 1882	May 31, 1892	7.38	— ...
Balford, Mark H.	Aug. 22, 1884	May 31, 1892	5.13	— ...
Barnes, Andrew N.	Sept. 19, 1883	May 31, 1892	8.77	— ...
Barnett, Charles S.	Nov. 9, 1883	April 21, 1890	7.80	8.69
Bartholdi, William N.	June 23, 1882	Jan. 15, 1892	8.25	8.15
Bates, Benjamin S.	Feb. 2, 1884	June 16, 1890	8.22	9.78
Baumann, George A.	July 26, 1884	Sept. 30, 1891	8.10	9.12
Bayer, Henry	Dec. 15, 1884	May 31, 1892	6.34	— ...
Baylie, Walter R.	April 14, 1884	Dec. 30, 1890	7.92	7.94
Beach, Walter Earl	Oct. 9, 1882	Dec. 30, 1891	6.98	9.19
Beck, Charles A.	Jan. 12, 1883	Dec. 30, 1892	— ...	— ...
Beck, Walter P.	July 26, 1884	Dec. 30, 1892	— ...	— ...
Beck, William H. G.	April 25, 1883	April 21, 1890	8.35	7.36
Beckmann, William O.	Sept. 12, 1881	Jan. 15, 1889	5.84	7.17
Benner, Robert G.	Oct. 29, 1880	May 29, 1891	6.19	9.21
Bent, Frank	May 28, 1883	April 21, 1890	6.61	8.02
Bickel, Harvey D.	Dec. 14, 1882	Jan. 31, 1890	8.08	8.00
Bickel, Theo. J.	March 23, 1883	April 19, 1890	7.43	9.72
Bidwell, John W.	Nov. 17, 1882	May 31, 1889	5.22	7.66
Bisseggen, William	Sept. 15, 1883	April 21, 1890	7.21	9.36
Bisseggen, George	Nov. 21, 1883	Dec. 30, 1890	7.62	8.88
Bisseggen, Charles	Oct. 23, 1882	Dec. 30, 1889	6.36	7.89
Book, Francis	Aug. 6, 1883	May 31, 1892	6.95	— ...
Boothell, Joseph T.	Aug. 18, 1882	April 17, 1890	8.25	7.38
Bourquard, Joseph	June 2, 1884	Dec. 30, 1892	— ...	— ...

FIRST SCHOOL.

<i>Names.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Boyer, Louis P.	July 28, 1883	April 21, 1890	7.81	7.46
Boyer, Samuel A.	July 29, 1884	June 3, 1891	7.32	9.68
Boyer, William R.	June 1, 1883	April 18, 1890	7.88	9.32
Brearey, Henry	Aug. 2, 1881	July 3, 1888	6.05	7.31
Bremer, Anthony	March 12, 1884	Dec. 30, 1892	.....	.....
Breisch, Charles J.	Sept. 7, 1881	June 4, 1891	7.62	9.16
Brenchied, Jacob	Nov. 18, 1884	May 31, 1892	7.60	.....
Bruce, Matthew H.	Feb. 26, 1883	Dec. 30, 1892	.....	.....
Bryant, Brinley	Feb. 21, 1882	April 30, 1890	8.08	9.52
Bryant, Edmund N.	Oct. 16, 1882	Dec. 30, 1890	9.08	8.51
Büchler, Gustav John	Aug. 18, 1883	Dec. 30, 1891	8.60	9.54
Burkett, Thomas W.	March 4, 1882	May 30, 1890	7.82	8.26
Buss, Alfred N.	Nov. 11, 1883	April 18, 1890	6.84	8.12
Butler, Charles T.	July 25, 1880	Sept. 28, 1889	7.01	7.53
Butterworth, Walter M.	March 26, 1883	April 19, 1890	7.60	8.59
Byers, Samuel	Jan. 29, 1885	May 31, 1892	7.17	.....
Cairns, George B.	Jan. 12, 1883	Jan. 21, 1890	8.16	8.71
Carr, William B.	Aug. 25, 1884	Dec. 30, 1890	7.00	8.63
Carter, Elmer T.	Aug. 25, 1882	Dec. 30, 1889	8.71	9.57
Cassidy, Aloysius	Aug. 23, 1883	May 31, 1892	8.19	.....
Cassidy, John	June 1, 1882	May 31, 1892	8.58	.....
Castellano, Mariano J.	May 16, 1884	Dec. 30, 1892	.....	.....
Chambers, Joseph P.	June 7, 1881	Dec. 30, 1890	7.32	9.05
Clark, George W.	May 24, 1882	April 18, 1890	9.25	9.62
Clark, James W.	March 13, 1884	May 31, 1892	4.09	.....
Clemency, Walt. H.	June 27, 1883	April 21, 1890	7.41	9.06
Coburn, Charles E.	March 1, 1886	May 31, 1892	3.20	.....
Coburn, George C.	Nov. 8, 1882	Sept. 18, 1889	6.97	8.41
Collins, Arthur M.	Aug. 23, 1883	May 30, 1890	6.05	9.14
Commo, Franklin	Nov. 28, 1882	May 29, 1891	8.77	9.17
Conradi, Adam	Feb. 21, 1884	May 30, 1890	7.32	6.97
Craig, Joseph H.	Dec. 16, 1883	May 31, 1892	8.85	.....
Crawford, Robert S.	March 11, 1884	March 28, 1890	6.30	8.20
Crawford, Thomas W.	Sept. 16, 1883	April 21, 1890	8.15	9.02
Cunningham, George	Nov. 13, 1884	May 31, 1892	3.62	.....
Cunningham, James	Aug. 21, 1883	May 31, 1892	3.00	.....
Cunningham, John	Nov. 10, 1882	April 21, 1890	9.33	8.77
Curlett, Charles O.	Nov. 28, 1883	Dec. 30, 1890	6.87	9.12
Curlett, Joseph H.	Dec. 2, 1885	Dec. 30, 1892	.....	.....
Dadling, George	Nov. 10, 1883	April 30, 1890	7.35	8.83
Dailey, Edwin S.	Jan. 29, 1883	May 30, 1890	8.42	9.72
Danehower, Walter C.	Jan. 30, 1884	June 19, 1890	7.73	7.93
Davenport, John J.	Aug. 19, 1883	Dec. 30, 1892	.....	.....
Davis, Thomas H.	May 27, 1882	Sept. 18, 1891	8.75	9.77
De Grasse, William H.	July 10, 1880	Jan. 21, 1890	7.00	7.68
Dickinson, Percy T.	July 8, 1883	April 21, 1890	7.95	8.76
Dixey, John	Oct. 17, 1883	Dec. 30, 1891	8.36	9.61
Doerr, Charles Edgar	Aug. 13, 1884	Dec. 31, 1891	8.22	9.92
Dolan, Thomas F.	July 29, 1881	June 5, 1888	7.94	9.52

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 141

FIRST SCHOOL.

<i>Name</i>	<i>Born</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Con- tract.</i>
Domicovitch, George P.	March 21, 1883	Sept. 18, 1891	8.65	9.88
Donahue, Edward R.	Jan. 2, 1883	April 17, 1890	7.87	8.84
Dougherty, Joseph H.	April 19, 1883	Sept. 18, 1891	7.56	9.34
Dougherty, Walter G.	May 28, 1883	Jan. 28, 1892	6.17	9.71
Douglas, John W.	March 17, 1883	Dec. 30, 1890	7.01	9.04
Dutton, John C.	May 7, 1884	Dec. 30, 1892	—	—
Dwyer, Edward	Jan. 7, 1885	May 31, 1892	3.61	—
Dyann, Thornton E.	March 10, 1883	Dec. 31, 1891	8.21	9.77
Eisenhower, Wm. H.	Oct. 10, 1883	Oct. 1, 1890	8.17	8.86
Ellis, Francis G.	Feb. 5, 1883	April 21, 1890	8.49	9.44
Elia, Milton W.	Dec. 25, 1880	April 21, 1890	7.22	7.56
Ender, George	June 13, 1883	May 30, 1890	5.79	8.96
Eat, George M.	Dec. 10, 1883	May 31, 1892	4.26	—
Estwinkle, Frank	July 22, 1883	Dec. 30, 1890	6.46	9.94
Estwinkle, Walter A.	Dec. 17, 1882	Dec. 30, 1891	7.91	8.84
Evans, Fritz H.	March 22, 1883	May 29, 1891	8.18	9.51
Evans, Harry	May 21, 1884	May 29, 1891	7.81	9.01
Evans, Henry S.	July 22, 1883	Dec. 30, 1889	6.27	8.22
Fagan, James B.	Nov. 1, 1883	May 31, 1892	6.98	—
Farnsworth, Duke	July 24, 1883	May 31, 1892	8.34	—
Fenner, Charles J.	Feb. 1, 1883	April 19, 1890	7.28	6.83
Fester, Charles F.	Feb. 13, 1882	Dec. 30, 1891	9.37	8.53
Filer, Thomas F.	June 9, 1883	May 30, 1890	8.05	9.74
Fink, John E.	Aug. 12, 1884	June 12, 1891	7.73	9.05
Fink, Walter F.	July 26, 1882	April 21, 1890	7.01	8.65
Fisher, Peter	July 22, 1883	Dec. 30, 1890	7.79	9.14
Fitzpatrick, Winfield J.	Oct. 24, 1883	April 21, 1890	8.20	7.37
Fizari, John	April 18, 1885	Jan. 16, 1892	7.12	9.59
Foll, Charles J.	Nov. 28, 1881	April 18, 1890	7.78	9.28
Foll, Harry D.	Oct. 31, 1883	April 30, 1890	0.92	8.49
Ford, Arthur	Oct. 31, 1884	Dec. 30, 1892	—	—
Fowler, Edwin	June 30, 1884	Jan. 7, 1892	5.30	9.08
Fowler, John	Feb. 8, 1882	May 31, 1889	7.46	6.72
Fox, Clarence E.	May 31, 1883	May 31, 1892	8.03	—
Fredericks, Henry	Sept. 23, 1880	Dec. 30, 1889	4.76	8.13
Freer, Henry T.	Oct. 14, 1882	Jan. 29, 1892	6.77	9.10
Freer, William H.	June 8, 1882	Jan. 15, 1891	6.87	6.37
Freney, Thomas J.	Sept. 25, 1884	Dec. 30, 1890	6.12	9.84
Frost, Charles F.	April 5, 1884	Jan. 13, 1892	4.91	9.50
Fritz, Howard A.	Nov. 20, 1882	Oct. 1, 1890	8.46	8.46
Fry, George Adam	Nov. 20, 1883	Dec. 31, 1891	7.30	9.17
Fryer, Theodore B.	April 12, 1884	Dec. 30, 1890	8.07	9.84
Gamble, Samuel B.	June 21, 1883	April 19, 1890	7.79	9.37
Gardner, George B.	Nov. 15, 1881	April 17, 1890	7.24	9.53
Gardner, Mercer G.	Feb. 6, 1883	April 17, 1890	7.57	8.26
Gorman, Edw. McN.	Aug. 26, 1880	May 29, 1890	7.44	8.77
Gorman, Harry W.	Nov. 22, 1883	April 30, 1890	7.27	9.18
Goddard, Everett P.	Nov. 13, 1880	Dec. 31, 1891	7.93	9.28
Gisard, Frank H.	Jan. 26, 1883	Dec. 30, 1892	—	—

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar-ship.</i>	<i>Con-duct.</i>
Gibson, John S.	Oct. 18, 1884	Dec. 30, 1892	.....	.....
Gilbert, Albert M.	May 10, 1882	Jan. 7, 1892	8.43	8.38.
Gilbert, Frank	Sept. 22, 1882	April 30, 1890	6.81	8.57.
Gilliard, Adolph	May 18, 1885	May 31, 1892	6.64	.....
Gimmi, Otto G.	Jan. 18, 1883	April 18, 1890	8.69	8.65
Githens, Charles A.	May 27, 1884	Dec. 30, 1890	6.87	9.49
Glass, Walter L.	Jan. 7, 1883	April 19, 1890	8.12	8.28
Goho, Arthur F.	Jan. 29, 1884	Dec. 30, 1890	7.50	9.13
Goold, Howard J.	Sept. 17, 1883	Dec. 30, 1890	7.29	9.36
Gormley, William P.	June 7, 1885	Dec. 30, 1892	.....	.....
Gower, George F.	Sept. 29, 1881	June 2, 1891	8.99	9.73
Gower, Henry C.	April 4, 1884	June 2, 1891	8.21	9.09
Gray, Leslie C.	Nov. 7, 1883	April 18, 1890	7.49	8.06
Greene, Percival E.	Feb. 17, 1884	Sept. 21, 1891	7.99	8.29
Greenhalgh, Edward	Feb. 7, 1885	May 31, 1892	5.45	.....
Grieb, Edward S.	Aug. 6, 1884	Jan. 27, 1892	.....	9.46
Griffith, Marshall	Nov. 16, 1883	April 30, 1890	6.57	8.31
Griffiths, Oswald	Sept. 27, 1882	Feb. 5, 1890	6.42	7.49
Grissinger, Charles R.	March 31, 1883	Jan. 15, 1891	8.12	9.88
Groth, H. C. Herman	Dec. 17, 1883	Dec. 31, 1889	6.78	9.40
Habenstein, Henry E.	Jan. 25, 1882	May 30, 1890	8.09	9.20
Habicht, Albert E.	Aug. 3, 1883	Dec. 30, 1892	.....	.....
Hallman, Ambrose F.	March 20, 1884	May 29, 1891	8.37	9.86
Halpine, William N.	March 9, 1883	Jan. 25, 1892	8.31	9.56
Hamilton, Alexander D.	June 14, 1883	April 17, 1890	7.31	7.68
Hamilton, James M.	March 3, 1886	May 31, 1892	4.81	.....
Hamilton, Robert W.	March 8, 1884	Dec. 30, 1890	8.58	9.02
Harder, Harry	April 13, 1882	April 19, 1890	6.82	8.42
Harman, William J.	May 26, 1881	Dec. 31, 1889	6.83	8.55
Harris, Frank L.	Jan. 27, 1884	June 1, 1891	7.05	9.51
Harris, James Edw.	Sept. 11, 1883	April 21, 1890	8.68	9.26
Harrison, Ross C.	Aug. 28, 1884	Jan. 13, 1892	5.61	9.33
Harshaw, Samuel K.	May 31, 1882	May 30, 1890	7.94	8.36
Hart, William	April 16, 1882	Dec. 31, 1891	6.54	9.09
Haring, Adam	May 15, 1883	Dec. 30, 1891	7.99	9.45
Harvey, Benjamin F.	Dec. 13, 1883	Dec. 30, 1890	7.50	9.55
Hassert, Charles C.	Jan. 5, 1885	June 9, 1892	6.14	.....
Hauger, Harry J.	Feb. 1, 1885	Dec. 4, 1891	8.03	9.98
Hayes, Enoch W.	July 23, 1882	Dec. 31, 1889	6.71	8.25
Heins, Henry Z.	Aug. 15, 1881	June 1, 1891	7.68	8.37
Heus, Samuel A.	Oct. 23, 1883	Dec. 30, 1890	3.39	8.57
Heiser, William T.	March 2, 1882	May 30, 1890	6.57	7.65
Hellings, Charles T.	March 16, 1881	Dec. 28, 1888	7.25	7.94
Henry, Thomas J. Y.	April 13, 1885	Dec. 30, 1892	.....	.....
Herman, Cuthbert	Jan. 6, 1883	April 18, 1890	6.83	9.00
Hess, Frank Charles	Jan. 13, 1882	April 19, 1890	8.04	9.03
Hetherlin, John S.	March 20, 1882	June 10, 1891	7.72	9.49
Hickman, Robert	Dec. 9, 1883	Oct. 1, 1890	7.76	9.78
Hill, Clarence M.	Dec. 28, 1884	May 31, 1892	7.83	.....

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted</i>	<i>Scholar- ship</i>	<i>Con- duct.</i>
Binden, Gordon A.	July 12, 1884	May 29, 1891	6.70	9.34
Binden, Winfield E.	Feb. 1, 1883	April 18, 1890	7.50	9.20
Bin, Clarence M.	July 24, 1882	Oct. 1, 1890	7.69	9.69
Jobben, John	Feb. 13, 1882	Dec. 30, 1889	7.76	8.55
Jodgeman, John E.	June 30, 1884	Jan. 15, 1891	7.78	9.91
Joffman, Charles Oscar	Oct. 1, 1884	Dec. 31, 1891	7.83	8.96
Jogg, Henry S.	Aug. 19, 1883	Dec. 30, 1891	6.58	10.00
Jelman, John F.	July 15, 1881	May 30, 1890	7.91	9.31
Jelt, Scott G.	Oct. 31, 1880	Oct. 6, 1890	7.75	8.83
Joman, Frederick	May 21, 1881	April 19, 1890	7.41	9.01
Jopham, Frank W.	Aug. 10, 1882	May 29, 1891	8.46	8.17
Joughson, Ernest T.	April 30, 1883	Jan. 15, 1891	8.36	9.32
Jouner, H. Franklin	Nov. 30, 1883	Dec. 31, 1891	8.49	9.20
Jower, John C.	Feb. 19, 1884	May 30, 1890	7.21	9.30
Jowleson, William	April 28, 1884	Jan. 15, 1891	7.63	9.13
Juchel, John J.	Sept. 1, 1883	April 21, 1890	7.44	8.98
Jugben, John	Oct. 28, 1882	Jan. 12, 1892	8.71	9.48
Junsperger, Daniel C.	Aug. 26, 1883	Dec. 30, 1890	7.28	8.85
Juary, John L. T.	Feb. 12, 1885	May 31, 1892	6.13	.....
Jvin, Ernest	Dec. 17, 1884	May 31, 1892	6.99	.....
Jminson, John McK.	Oct. 20, 1883	April 21, 1890	8.83	7.78
Jmolewski, George	Jan. 23, 1885	June 9, 1891	7.36	9.64
Jnkine, Abraham	April 20, 1883	June 19, 1890	8.17	8.26
Jnn, Franklin Walter	Feb. 15, 1884	Dec. 30, 1890	7.23	9.07
Jnn, Harry B.	Sept. 1, 1883	Dec. 30, 1890	6.78	9.48
Jnn, Harry Blaine	June 12, 1884	Dec. 30, 1890	7.88	9.89
Jnn, John L.	April 1, 1884	May 31, 1892	7.86	.....
Jnn, William Henry	July 29, 1882	Dec. 30, 1890	8.23	7.91
Jnn, William J.	April 1, 1885	Dec. 30, 1892	.....	.....
Jnph, Harry B.	Feb. 16, 1882	June 25, 1889	6.42	8.25
Jldel, Henry C.	Nov. 3, 1881	Jan. 15, 1889	7.02	9.01
Jly, Annie	Jan. 20, 1880	Sept. 18, 1889	5.85	7.46
Jly, Robert C.	April 25, 1883	June 1, 1891	9.07	8.87
Jmedy, Alfred C.	April 6, 1883	June 1, 1891	7.55	8.54
Jmedy, John T.	Dec. 21, 1883	May 30, 1890	8.11	9.76
Jrime, Frank Charles	March 14, 1882	Dec. 30, 1891	5.93	9.64
Jre, Addison D.	June 25, 1884	Sept. 22, 1891	8.07	9.72
Jryer, Walter N.	May 19, 1883	Dec. 30, 1891	8.10	9.95
Jupel, John F.	Jan. 10, 1884	May 29, 1891	7.44	9.19
Jug, James C.	March 16, 1883	May 31, 1892	9.03	.....
Jming, Emil	June 7, 1884	Dec. 30, 1890	7.50	9.45
Jrk, Charles Le G.	Aug. 9, 1884	May 31, 1892	7.72	.....
Jrbough, Albert J.	May 21, 1884	May 29, 1891	6.16	9.91
Japp, Edwin M.	April 30, 1883	April 18, 1890	7.85	7.51
Joss, Parke N.	Aug. 2, 1882	Sept. 18, 1891	8.73	9.94
Jib, Bert C.	Feb. 11, 1884	Dec. 30, 1892	.....	.....
Jilt, Louis R.	Sept. 30, 1880	May 30, 1890	8.63	9.33
Jruss, Charles G.	April 26, 1882	April 30, 1890	6.94	8.31
Jruiser, William W.	Feb. 18, 1883	Jan. 15, 1892	4.03	9.75

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar-ship.</i>	<i>Con-duct.</i>
Kunkely, Julius A.	Nov. 27, 1880	Dec. 28, 1888	6.94	9.45
Kunz, George D.	June 3, 1882	June 4, 1891	8.40	9.49
Kupfersmith, John G.	Oct. 26, 1882	April 26, 1890	7.44	8.51
Lachlan, James I.	March 23, 1884	Dec. 30, 1890	7.34	8.59
Lackie, George W.	May 28, 1884	Sept. 18, 1891	7.42	8.64
Laflerty, John	Oct. 3, 1883	April 21, 1890	8.14	8.50
Lambert, Philip	Nov. 17, 1881	April 18, 1890	5.60	8.47
Landskron, Robert F.	Aug. 23, 1883	June 1, 1891	6.82	9.30
Laning, Henry K.	Oct. 19, 1884	Jan. 15, 1891	8.17	9.74
Lanyon, Chas. Edmund	Dec. 7, 1883	Dec. 31, 1891	7.46	9.31
Lanyon, Eli M.	March 25, 1882	Dec. 31, 1891	8.25	9.14
Laushey, Edmund P.	May 30, 1884	Jan. 15, 1891	7.82	9.94
Laycock, Albert	Aug. 2, 1882	Dec. 30, 1889	6.55	6.85
Laycock, Bertie	July 24, 1885	Sept. 18, 1891	5.38	9.62
Leach, Thomas P.	July 18, 1883	April 13, 1890	7.57	8.69
Leber, Francis X.	Oct. 1, 1883	Dec. 31, 1891	8.07	9.13
Lee, John	Oct. 21, 1883	Dec. 30, 1890	7.80	8.91
Lenhart, Robert	March 31, 1881	Jan. 21, 1890	6.39	7.62
Lewis, Charles S.	Aug. 3, 1882	Dec. 30, 1891	7.29	9.18
Leyrer, John H.	Dec. 1, 1880	June 2, 1890	8.08	8.08
Leyshon, Ralph	Oct. 2, 1883	Dec. 31, 1891	7.30	9.85
Long, David F.	Dec. 10, 1883	Dec. 30, 1890	7.61	9.86
Long, William And.	Dec. 7, 1883	April 30, 1890	7.59	8.23
Louden, Joshua P.	May 19, 1884	May 31, 1892	8.10	.....
Luffberry, Bertram	Feb. 19, 1883	April 19, 1890	6.47	6.29
Lynd, William H.	Nov. 15, 1884	Jan. 11, 1892	3.99	9.85
McAdam, Donald	Feb. 1, 1883	April 19, 1890	8.00	8.90
McBride, Morris T.	Jan. 1, 1882	Jan. 29, 1889	7.79	9.65
McCauley, Thomas J.	June 4, 1882	June 1, 1891	7.80	8.64
McCloskey, George	July 31, 1884	March 12, 1891	6.37	9.59
McDaid, Alfred	Dec. 16, 1882	June 1, 1891	7.33	8.41
McDevitt, George	Dec. 22, 1881	June 28, 1890	8.35	8.76
McGarvey, Joseph	July 29, 1883	May 31, 1892	6.49	.....
McHugh, James	June 13, 1884	Jan. 15, 1891	7.31	9.87
McHugh, Joseph	Dec. 20, 1882	May 30, 1890	7.52	6.97
McIntyre, John	Feb. 22, 1883	April 18, 1890	7.05	8.72
McKeone, Frank	Feb. 3, 1884	May 31, 1892	6.86	.....
McKeone, Henry	Oct. 20, 1882	May 31, 1892	6.88	.....
McNeill, George F.	Aug. 19, 1883	April 18, 1890	7.34	8.86
McNeill, Robert B.	June 22, 1883	April 18, 1890	7.96	8.26
McQueen, Edw. Fayette	Nov. 5, 1882	April 17, 1890	6.08	9.07
Muang, Clarence M.	Sept. 20, 1882	Dec. 30, 1889	8.01	9.65
Magee, Franklin M.	Oct. 27, 1883	Dec. 30, 1891	8.33	9.68
Manion, Michael T.	Jan. 19, 1883	April 23, 1890	7.17	8.80
Mareen, Frederick	Dec. 8, 1884	May 31, 1892	3.35	.....
Markel, Nathaniel P.	July 11, 1884	May 31, 1892	7.20	.....
Marshall, Alex. M.	May 5, 1883	Dec. 30, 1890	8.26	8.49
Martz, Alvin R.	March 18, 1884	Jan. 7, 1892	7.42	9.72
Martz, Stephen J.	Nov. 22, 1882	Jan. 7, 1892	8.78	9.67

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholar- ship.</i>	<i>Cum dipl.</i>
Archers, Alfred P.	Jan. 24, 1883	May 31, 1892	7.92	—
Arns, Chas. Arthur	June 21, 1880	Jan. 13, 1888	7.24	8.22
Ayres, Thomas T.	Feb. 12, 1883	May 31, 1892	7.09	—
Bald, Joseph E.	April 20, 1883	Dec. 30, 1892	—	—
Bald, William	Aug. 18, 1883	May 29, 1891	8.04	9.62
Bald, William A.	Dec. 20, 1883	April 30, 1892	7.40	9.62
Balmer, Charles	March 1, 1883	Dec. 30, 1891	8.68	9.74
Bass, John Philip	Feb. 14, 1885	Dec. 30, 1891	2.57	9.71
Bell, James	June 12, 1882	May 30, 1892	7.13	8.23
Benn, George B.	April 10, 1884	Dec. 30, 1892	5.08	9.31
Bering, John F.	Feb. 29, 1884	May 30, 1892	7.86	8.74
Bingham, Henry W.	Nov. 26, 1883	May 30, 1892	8.22	9.26
Bore, James B.	Aug. 7, 1880	July 20, 1887	—	8.95
Bore, William Henry	Sept. 3, 1883	April 21, 1892	6.72	7.69
Borgas, Elmer	Oct. 18, 1883	May 29, 1891	5.10	9.29
Borgas, Harry	Oct. 7, 1881	Dec. 30, 1892	6.66	9.21
Bosman, James E.	Jan. 29, 1883	Dec. 30, 1892	8.26	8.18
Bosher, George	June 25, 1884	May 31, 1892	3.48	—
Boss, Andrew R.	March 7, 1883	Dec. 30, 1892	7.55	9.57
Boswell, Michael	March 20, 1883	Sept. 18, 1891	6.13	9.80
Bove, William B.	Dec. 7, 1884	May 31, 1892	7.49	—
Bowler, George W.	Aug. 9, 1880	April 18, 1892	7.72	8.23
Baylor, Albert	Oct. 25, 1884	Jan. 15, 1892	6.06	9.05
Brown, William	July 16, 1884	June 12, 1891	8.37	9.40
Budy, John	Oct. 24, 1883	June 1, 1891	6.25	9.42
Budy, John Reynolds	Oct. 5, 1884	Dec. 31, 1891	5.06	9.31
Bell, Walter F.	Nov. 21, 1882	June 1, 1891	6.33	9.18
Berman, Charles R.	Nov. 19, 1880	April 17, 1892	6.33	8.57
Berthier, James	May 23, 1884	Dec. 30, 1892	—	—
Bismarck, John O.	Feb. 24, 1883	April 19, 1892	6.91	9.15
Bismarck, Albert L.	April 20, 1885	Dec. 30, 1892	—	—
Bishop, James	June 22, 1883	Dec. 30, 1892	7.19	8.55
Biss, George E.	April 20, 1884	May 31, 1892	6.32	—
Biss, Levi A.	July 13, 1883	April 18, 1892	7.19	9.32
Biss, Robert J.	May 14, 1883	April 17, 1892	7.71	8.03
Biss, George	April 25, 1882	June 11, 1889	7.82	8.27
Biss, Evan S.	May 30, 1885	Dec. 30, 1892	—	—
Biss, Frederick	Oct. 14, 1882	April 18, 1892	8.12	9.07
Bisler, William J.	Feb. 19, 1884	May 29, 1891	7.51	8.99
Bisson, Robert Edw.	Jan. 31, 1882	Dec. 30, 1891	7.19	9.14
Bisson, James F.	May 13, 1883	April 18, 1892	8.27	9.65
Biss, Claude C.	July 25, 1882	May 31, 1892	6.68	—
Biss, Clayton E.	July 25, 1882	May 31, 1892	4.93	—
Bismarck, Earl M.	April 5, 1884	Dec. 30, 1892	7.83	8.77
Biss, Charles G.	April 10, 1881	May 31, 1889	7.06	8.29
Biss, Harry J.	Sept. 5, 1883	Dec. 30, 1892	7.52	8.62
Phillips, William H.	Oct. 7, 1882	April 18, 1892	7.74	8.48
Blatt, Remond B.	June 13, 1884	Jan. 15, 1891	8.19	9.62
Bonham, Henry L.	June 14, 1883	May 31, 1892	8.22	—

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Porter, George S.	Feb. 13, 1886	May 31, 1892	3.15	.....
Potts, Gustavus A.	Sept. 23, 1884	Dec. 31, 1891	7.34	9.74
Price, John B.	Sept. 13, 1883	Jan. 21, 1892	8.42	9.51
Price, Thomas F.	Feb. 16, 1884	May 30, 1890	6.44	9.43
Priester, Edwin A.	Jan. 14, 1884	May 31, 1892	.....	.....
Primrose, Pettit B.	May 25, 1882	April 18, 1890	8.29	9.36
Pritchard, Evan J.	Aug. 13, 1883	April 18, 1890	8.27	8.92
Quinn, George Robert	May 25, 1882	June 1, 1891	7.89	9.26
Quinn, William J.	March 24, 1885	June 1, 1891	7.81	8.98
Ramsdale, Samuel E.	April 23, 1885	Dec. 30, 1892	.....	.....
Reber, George	April 4, 1883	Jan. 20, 1892	7.28	9.34
Redamar, Christian	Dec. 1, 1883	Dec. 30, 1891	7.22	9.75
Reed, Jacob F.	Sept. 18, 1883	April 30, 1890	8.16	9.51
Reese, Charles	June 10, 1884	Dec. 30, 1890	8.32	8.35
Reese, John S.	Jan. 25, 1882	Dec. 30, 1890	7.86	.....
Rhein, Herman L.	Feb. 17, 1884	Dec. 30, 1891	6.42	.....
Richardson, Albert G.	March 12, 1884	May 29, 1891	8.37	9.02
Richardson, Charles	Oct. 6, 1882	May 31, 1892	3.96	.....
Richmond, Robert L.	June 1, 1882	June 10, 1891	8.07	8.40
Riegel, William W.	Sept. 21, 1883	Dec. 30, 1892	.....	.....
Rinker, John S.	July 28, 1883	April 18, 1890	6.40	8.17
Ritson, Thomas	Nov. 12, 1883	Dec. 30, 1890	8.10	9.11
Roberts, Claude M.	Jan. 2, 1883	April 30, 1890	5.33	7.93
Robinson, Harry L.	June 19, 1884	Jan. 15, 1891	7.32	8.99
Rodgers, William A.	Nov. 17, 1881	Dec. 30, 1890	8.02	9.28
Rolling, Frank	June 27, 1884	Jan. 20, 1891	7.31	9.39
Ross, Earl C.	April 4, 1884	Dec. 30, 1890	5.23	9.33
Ross, William E.	March 10, 1882	Dec. 30, 1890	8.21	8.79
Rudy, Jonathan M.	Aug. 13, 1884	Jan. 1, 1892	6.21	9.22
Salmon, Henry	Feb. 27, 1880	June 10, 1887	6.08	7.48
Sandt, Edgar B.	Sept. 14, 1884	Oct. 1, 1891	3.49	9.96
Sandt, Wm. E. Garfield	Nov. 4, 1882	Dec. 31, 1889	6.85	9.55
Sattler, John H.	Oct. 18, 1882	Jan. 21, 1890	7.37	9.64
Savage, Arthur E.	Feb. 29, 1885	May 31, 1892	7.27	.....
Schaefer, Albert L.	March 4, 1884	Jan. 26, 1892	6.97	9.88
Schantz, William	Aug. 30, 1882	April 30, 1890	7.83	7.65
Schissler, Andrew	March 15, 1883	May 31, 1892	6.45	.....
Schjeller, Richard E.	May 16, 1884	Dec. 31, 1891	7.54	9.51
Schock, Howard J.	Dec. 1, 1884	Dec. 31, 1891	7.19	9.76
Schreck, Adam A.	Jan. 5, 1882	May 30, 1890	6.86	8.19
Schreck, Robert D.	Feb. 3, 1884	April 30, 1890	7.90	8.23
Schroder, Charles N.	April 14, 1883	Aug. 16, 1889	6.88	7.88
Schuenemann, Henry O.	Aug. 15, 1883	April 21, 1890	7.22	9.66
Scott, John F.	Oct. 3, 1882	Dec. 30, 1890	6.77	9.30
Seesholtz, William H.	April 2, 1883	March 31, 1892	6.05	.....
Seifert, Charles O.	Jan. 29, 1885	Dec. 30, 1892	.....	.....
Selfert, John P.	June 16, 1883	Dec. 30, 1892	.....	.....
Sergeant, John A.	July 18, 1884	June 1, 1891	7.51	8.88
Setzler, Earl U.	Aug. 21, 1884	Dec. 30, 1892	.....	.....

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX D. 14

FIRST SCHOOL.

Name	Date.	Admitted.	Scholar-ship.	Con-duc-
Shaffer, George H.	Oct. 2, 1886	April 21, 1890	5.95	9
Shahan, John F.	Sept. 25, 1883	June 3, 1890	7.53	9.1
Shangle, Charles A.	June 18, 1884	Jan. 13, 1891	8.80	9
Shields, John H.	March 11, 1883	April 21, 1890	7.35	6
Shull, William C.	Jan. 9, 1882	June 14, 1889	6.79	6
Shush, David A.	Feb. 12, 1883	Dec. 31, 1891	8.71	9.1
Simms, James W.	Dec. 17, 1883	Dec. 30, 1892	.....	..
Singh, Herbert E.	March 24, 1885	Dec. 30, 1890	.....	..
Slugg, William G. B.	Nov. 6, 1882	Jan. 19, 1892	7.95	9
Smith, John R.	Nov. 27, 1884	June 1, 1891	8.09	9.1
Smith, Joseph B.	Dec. 20, 1882	Dec. 30, 1889	7.30	7
Smith, Wingo	Sept. 4, 1883	June 16, 1891	7.55	9
Smith, William H.	March 21, 1885	April 19, 1890	7.37	8
Snyder, Oscar L.	Oct. 16, 1883	May 31, 1892	8.45	..
Sodman, Jacob W.	April 15, 1883	April 19, 1890	7.77	8
Stanton, Joseph E.	Aug. 14, 1886	Dec. 30, 1892	.....	..
Stickle, William T.	July 23, 1880	Dec. 31, 1889	6.45	6
Stilsmetz, Henry	Nov. 18, 1883	Jan. 15, 1891	7.50	9.1
Stevenson, Edmund M.	May 21, 1884	Dec. 30, 1892	.....	..
Stevenson, John H.	May 21, 1884	Dec. 30, 1892	.....	..
Stevenson, Samuel	Aug. 20, 1884	June 11, 1891	8.19	9.1
Stockholm, Charles G.	April 21, 1885	Dec. 30, 1892	.....	..
Stok'ey, Thomas H.	Aug. 10, 1882	May 31, 1892	7.60	..
Stoll, William	July 30, 1882	Sept. 24, 1889	7.39	7
Stoop, John A.	March 14, 1884	Dec. 30, 1890	8.60	9
Stoon, Norman T.	Nov. 10, 1882	May 30, 1890	6.81	8
Stoos, Otto	May 6, 1884	Dec. 30, 1890	6.95	8
Strasser, John J.	April 2, 1882	May 31, 1889	7.56	8
Strickler, Jacob	Nov. 6, 1882	Dec. 31, 1889	6.38	8
Stroud, Walter B.	Dec. 25, 1881	April 30, 1890	6.13	9
Sullivan, James P.	March 17, 1884	Dec. 30, 1892	.....	..
Sullivan, John P.	Feb. 22, 1886	Dec. 30, 1892	.....	..
Sulzner, Herman	Aug. 22, 1884	Dec. 30, 1892	.....	..
Taggart, Herbert C.	Nov. 20, 1883	May 30, 1890	8.03	9
Taylor, Edward W.	Sept. 17, 1884	Dec. 30, 1892	.....	..
Todd, Edward A.	June 20, 1882	April 22, 1890	7.53	7
Thackers, Edward T.	July 6, 1882	Jan. 13, 1892	7.66	9
Theris, Ferdinand H.	Jan. 6, 1884	May 31, 1892	8.33	..
Thomas, Richard	Dec. 24, 1882	Dec. 31, 1891	8.69	9
Thompson, James S.	July 2, 1882	Dec. 31, 1889	7.25	7
Thompson, Jefferson	Feb. 20, 1883	April 17, 1890	8.82	7
Thompson, Joseph H.	June 15, 1884	Dec. 31, 1891	5.13	9
Thomson, William J.	July 5, 1883	May 30, 1890	8.19	8
Thornley, Harry E.	May 31, 1883	May 30, 1890	.....	..
Thurninger, Ferdinand	Jan. 26, 1882	Dec. 16, 1888	7.17	8
Tice, Benjamin	Feb. 5, 1883	May 30, 1890	7.09	8
Tierney, Charles S.	Jan. 6, 1880	Jan. 25, 1891	7.47	7
Tiley, William	March 27, 1882	Dec. 30, 1890	6.74	8

FIRST SCHOOL.

<i>Name.</i>	<i>Born.</i>	<i>Admitted.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Townsend, Charles H.	Feb. 23, 1883	Sept. 18, 1891	8.79	9.40
Tripp, Leon M.	Dec. 15, 1883	June 19, 1890	8.26	9.02
Turner, Joseph M.	June 24, 1883	Dec. 30, 1890	7.88	9.32
Ulkloss, Harry John	July 21, 1881	Oct. 14, 1887	5.45	6.68
VanCleve, Isaac S.	Dec. 25, 1882	April 18, 1890	8.06	9.16
Waldman, Edward	July 1, 1884	Dec. 30, 1891	8.20	8.81
Walker, Charles A.	June 2, 1882	May 31, 1889	5.69	6.76
Walton, Edward S.	Oct. 29, 1883	May 29, 1891	6.94	9.19
Watkins, John Morgan	Sept. 8, 1883	Jan. 15, 1891	8.30	8.68
Weaver, Ross E.	July 31, 1883	Dec. 30, 1892	.....	.....
Weeden, James S.	July 16, 1883	July 5, 1890	7.81	8.72
Weidemann, Otto	Feb. 8, 1883	May 30, 1890	8.21	6.68
Weigart, Frank	Jan. 27, 1884	March 16, 1891	6.65	8.74
Werdermann, Gustave F. W.	May 7, 1885	Dec. 30, 1892	.....	.....
West, Stanley R.	April 2, 1881	Dec. 30, 1891	8.52	9.67
Westcott, William H.	March 9, 1883	Dec. 30, 1891	7.97	8.93
Weston, John D.	July 15, 1883	April 21, 1890	8.14	9.09
Wheeler, Clarence D.	July 3, 1884	June 2, 1891	7.94	9.30
Wheeler, Walter C.	June 3, 1883	Dec. 30, 1890	8.37	9.35
Whiskeyman, Robert P	April 10, 1882	April 18, 1890	7.66	6.00
Whitehead, Charles S	Aug. 17, 1882	April 17, 1890	7.40	7.43
Whitehead, Edward J.	May 15, 1884	Dec. 30, 1890	8.15	9.73
Wilson, James A.	Oct. 13, 1883	Dec. 30, 1890	6.19	8.49
Wilson, John H.	May 21, 1883	May 31, 1892	8.82	.....
Wilson, Ralph T.	July 21, 1883	Dec. 31, 1891	6.36	9.96
Wilson, Stephen W.	March 24, 1884	June 30, 1892	4.97	.....
Winchell, Horace J. B.	Feb. 3, 1882	April 18, 1890	6.13	6.98
Wolf, Joseph B.	Oct. 30, 1884	Dec. 31, 1891	8.53	9.08
Wrightson, Alexander	April 8, 1883	April 19, 1890	6.29	8.20
Wrightson, Bertram J.	Feb. 2, 1885	May 31, 1892	6.33	.....
Wunderlich, Walter A.	Dec. 12, 1883	May 30, 1890	8.34	9.47
Yetter, Rudolph	Dec. 15, 1881	Dec. 30, 1890	7.37	7.99
Zattau, Charles M.	Jan. 14, 1884	June 4, 1892	8.11	.....
Ziegler, George D.	Feb. 3, 1885	Dec. 30, 1892	.....	.....

SUMMARY.

FOURTH SCHOOL	268
THIRD "	338
SECOND "	481
FIRST "	472
TOTAL	1559

APPENDIX E.

REPORT OF THE SUPERINTENDENT

OF

ADMISSION AND INDENTURES.

PHILADELPHIA, January 6, 1893.

To the Committee on Admission, Discipline and Discharge.

GENTLEMEN:—I herewith respectfully submit a summary of my monthly reports during the year 1892.

Of the 392 boys who left the College in the years 1889, 1890, and 1891, 306 are employed, 22 unemployed, 37 have become twenty-one years of age, 11 have died, and 10 cannot be found.

Of the employed, there are favorable reports of 275; fair reports of 23, and unfavorable reports of 8. Of the unemployed, 12 are behaving well, 5 fairly well, and 5 are not behaving well.

During the year 1892 one hundred and twenty-four (124) boys were admitted to the College; and one hundred and fifty one (151) were discharged, as follows:

Indentures cancelled.....	131
Eighteen years of age.....	5
Bound	1
Expelled.....	6
Died.....	8
	<hr/>
	151
	<hr/>
	149

Of those discharged, 110 went to places, as follows:

• Clerical and mercantile.....	62
Mechanical	48
	<hr/> 110 <hr/>

The remainder were given up to mothers or next friends, etc.

During the year 1891, only 36 per cent. of those leaving the College engaged in mechanical pursuits, while in the year just closed, 44 per cent. took places as mechanics, a gain of 8 per cent. The average age of those going out, last year, to places, was two months greater than of those in 1891; that of the clerical boys being 17 years 2 months, and that of the mechanical boys, 16 years 9 months.

The wages of apprentices in some of the large manufacturing establishments, and in the trade of plumbing and gas-fitting, are often extremely low, and a mother naturally shrinks from the hardship necessarily entailed by this limited income during her boy's minority.

It is perhaps a question whether it might not be proper, when a pupil has reached an age at which he is able to earn his own living, (seventeen years, for example,) to consider if a longer stay in the College would produce results beneficial or otherwise. Many mothers manifest reluctance at signing an application for cancellation of indentures; some from mercenary motives, others for fear that their boys may lose their places, or that they may not be able to control them after they are free from the institution; but, unless further tuition in such practical branches as the higher mathematics, draughting, book-keeping, short-hand and type-writing, would *actually* be of service to those in their eighteenth year, might it not be well, if consistent with the will of Mr. Girard, to oblige the pupils who are at a "stand still," as it were, to accept or seek situations, mechanical if possible, before the rapidly approaching expiration of their terms compels them to engage, in the last month or two, in whatever comes to hand?

A possible curtailment of his stay in the College of a year or

more, might, also, induce many a pupil to make much wiser use of his time than at present, when he knows that he need not leave until the day he is eighteen years old, and that he will then receive his full outfit besides.

I beg leave to express a conviction that if more time and prominence could be given to instruction in short-hand and type-writing than are now accorded them, it would be of very decided advantage to those pupils who expect to earn a livelihood as bank or railroad clerks, or general accountants.

Very respectfully,

JOHN S. BOYD,

Superintendent of Admission and Indentures.



APPENDIX F.

WILLS HOSPITAL AND MINOR TRUSTS.

SUPERINTENDENT,

GEO. E. KIRKPATRICK,

19 South Twelfth Street, Philadelphia.

WILLS HOSPITAL.

(For list of officers of the Wills Hospital, see Appendix G.)

MARY SHIELDS ALMSHOUSE FUND.

W. H. WALLACE, M.D., *Visiting Physician,*

103 North Thirty-fifth Street, Philadelphia.

BOUDINOT ESTATE, CENTRE COUNTY.

GEO. R. BOAK, *Agent,*

Pine Glen, Centre Co., Pa.

DANIEL H. HASTINGS, *Solicitor.*

Bellefonte, Centre Co., Pa.

WILLS HOSPITAL AND MINOR TRUSTS.

SUPERINTENDENT'S REPORT FOR 1892.

To the Board of Directors of City Trusts.

GENTLEMEN :—Appended hereto you will find the usual statements showing the Invested Capital, December 31, 1892, also the Cash Receipts and Payments for the year 1892 in detail.

The number of patients treated at the WILLS HOSPITAL is again larger than ever previously reported, being 12,493 as compared with 12,280 in 1891. The increase in the number of patients treated in this institution during the fifteen years past, is remarkable not only as an increase, but, if we except the year 1879, for the peculiar steadiness of that increase. This is shown in the following statement :

Year.	Patients Treated at Clinics	Patients Treated in the Wards	Total.
1878.....	3,894	552	4,446
1879.....	4,112	583	4,695
1880.....	4,076	530	4,606
1881.....	4,933	535	5,468
1882.....	5,449	514	5,963
1883.....	5,706	564	6,270
1884.....	6,255	526	6,781
1885.....	6,613	467	7,080
1886.....	6,795	457	7,252
1887.....	8,138	599	8,737
1888.....	8,877	542	9,419
1889.....	9,633	471	10,104
1890.....	10,623	480	11,103
1891.....	11,612	668	12,280
1892.....	11,733	760	12,493
Total, 15 years,	108,449	8,248	116,697

The principal improvement to the Hospital made in the year 1892, was the erection and equipment of the Laundry building. This is situated on the southeastern corner of the Hospital grounds, and contains, in the basement, two sixty-one horse-power boilers, which furnish the power for the Laundry and supply heat to the whole Hospital. The main floor is used for laundry purposes, being equipped with the washing-machines, centrifugal drier, mangle, drying-room, etc., usually found in well-equipped laundries.

The legacies received during 1892 amounted to \$11,500, as follows:

From the Estate of Emily T. Eckert.....	\$5,000 00
“ “ Alfred Bamber.....	5,000 00
“ “ George S. Pepper....	1,500 00
	\$11,500 00

Donations, amounting to \$385, have been received from Alfred R.—, J. G. Rosengarten, Mrs. Thos. H. Powers, Phineas Fries, E. B. Wheeler, Elizabeth V. Graham, Mary Zink, Mary Givin, Philina Lippincott, Elizabeth Hazleton, Joseph Zentmayer, Mrs. Elizabeth Farnum, Mrs. Wallace, Jno. Krell, G. W. Morris, Jno. D. Williams, and E. T. Lukens.

In addition to the sum of \$5000—reported one year ago as being received in 1891 on account of the appropriation of \$20,000, made by the State of Pennsylvania for the use of the Wills Hospital,—the sum of \$10,000 has been received in 1892, leaving \$5000 of this appropriation still to be collected. It was mainly with the funds thus supplied by the State, that the new Laundry building above described was erected.

Mrs. Charlotte Wistar, Matron of the Hospital, after a faithful and valuable service covering a term of eight years, resigned that position in October last, and Miss Mary Wilson, who for some time has been filling the position of Head Nurse, has assumed the duties of Matron in addition thereto, and is giving great satisfaction.

The growth of the Hospital, but particularly the enlargement of the Surgical Staff made about two years ago, has caused such an

increase in the duties of the House Surgeon, that it has been deemed wise to divide the work between two physicians, instead of placing it upon one as heretofore. This change went into effect in April last.

The income of the JOHN BLEAKLEY YELLOW FEVER FUND, appropriated to the use of the Wills Hospital in accordance with the Act of Assembly, amounted in 1892 to \$544.62.

The income of the MARY SHIELDS ALMSHOUSE FUND has continued to supply many comforts to the sick and insane poor in the Almshouse, reading matter, pictures, clothing, air and water beds, rolling-chairs, spectacles, special supplies for the table, etc., having been furnished, besides musical and humorous entertainments and magic lantern exhibitions.

Of the income of the JULIANA H. GOOD FUND, \$75 has been expended in the purchase of sixty-four volumes for the library of the House of Correction. For the libraries of the public schools, four hundred and twenty volumes have been purchased from the income of the STEPHEN GIRARD SCHOOL FUND, at a cost of \$388.70. These were distributed as follows:

Horace Binney Grammar School.....	104	volumes.
U. S. Grant Boys' Grammar School...	52	"
U. S. Grant Girls' Grammar School..	36	"
Northwest Boys' Grammar School.....	51	"
Northwest Girls' Grammar School.....	61	"
Keystone Grammar School.....	116	"

No loans have been made during the year from the trusts created by DR. BENJAMIN FRANKLIN and JOHN SCOTT.

Upon the recommendation of the Franklin Institute, JOHN SCOTT MEDALS AND PREMIUMS have been awarded as follows:

- T. R. Almond, of Brooklyn, N. Y.,
Angular Coupling.
- Charles D. Williams, of Philadelphia, Pa.,
Revolving Show-Window.

- Henry A. Goets and Mancell W. Mitchell, of New Albany, Ind.,
System of Anchoring Beams in Buildings.
- Frederick L. Fuller and George H. Griswold, of Trenton, N. J.,
Improvements in Cash-Registers and Indicators.
- James Emerson, of Willimansett, Mass.,
Dynamometer
- John R. Jones, of Philadelphia, Pa.,
Method of Rolling Tapered Axles.
- Joseph Bennor, of Philadelphia, Pa.,
Improvements in Knitting-Machines.
- Ephraim Shay, of Haring, Mich.,
Patent Geared Locomotive.
- George D. Burton, of Boston, Mass.,
System of Electric Forging.
- George S. Clark, of Philadelphia, Pa.,
Improvements in Safety Vaults.
- Catherine L. Gibbon, of New York, N. Y.,
Improved Rail for Street Railway.
- John F. Golding and George B. Durkee, of Chicago, Ill.,
Expanded Metal and Machinery for making same.
- Charles M. Lungren, of New York, N. Y.,
Incandescent Gas Light.
- Ezra S. McClellan, of Paterson, N. J.,
Anti-Siphon Trap-Vent.

The HANNAH M. DODD medals were awarded at the commencement exercises of the Girls' Normal School in June last, to Miss Esther L. Drake and Miss Alice Cobourn, Miss Drake winning the gold medal and Miss Cobourn that in silver, by marked proficiency in their studies.

With the income of the various FUEL TRUSTS, 2,662½ tons of coal have been purchased and distributed in accordance with

the terms prescribed by the creators of the Trusts, at a cost of \$10,939.92, as follows:

Fund.	Tons	Costing.
Thomas D. Grover.....	1,378	\$5,856 50
Elias Boudinot.....	350	850 50
Spring Garden.....	46	204 70
Stephen Girard.....	77	342 65
Paul Beck.....	109½	487 28
City.....	89	396 04
F. A. Sheaff.....	25	111 26
J. J. Snyder.....	124	551 79
Mary Shield.....	101	482 53
Seybert.....	87½	389 37
Esther Walters.....	106	487 60
David Claypole.....	10	46 00
B. McMahon.....	4½	20 70
James Dutton.....	63	289 80
George Emlen.....	82½	379 50
B. W. & J. W. Morris.....	9½	43 70
Total.....	2,662½	\$10,939 92

Our endeavor to cultivate a second growth of timber upon the property of the BOUDINOT Estate, in Centre County, has continued in 1892 without serious interruption. Without regard to the importance of providing a supply of timber for future use, the necessity, not to the individual land-owner, but to the people of the State at large, of constantly maintaining a growth of timber upon the land lying adjacent to the head-waters of our principal rivers, is every year becoming more apparent to all who give the subject any consideration.

Our work upon the Boudinot Estate, a mere experiment though it may be, is an effort in this direction, and should receive the most generous encouragement from the Commonwealth. Some of the minor officers of the State, however, have not yet been able to understand this view of the subject, and, on the ground that our

temporary prohibition of timber-cutting upon this property was injurious to the State in that it deprived its citizens of the opportunity of employment in said cutting, the local assessor undertook to make such an infringement upon the rights of the citizens odious and unprofitable by doubling the assessed valuation of the land for tax purposes. Of course, little difficulty was experienced in having this unjust assessment reduced to a figure corresponding with that placed upon surrounding and similar property.

The income of the Funds devoted to the supplying of BREAD AND SOUP to those in need, has been distributed, mainly through the instrumentality of the established soup societies, as follows :

Thomas D. Grover Fund.....	\$300 00
Paul Beck "	500 00
A. R. Chambers "	112 50
Samuel Scottin "	12 00
William Carter "	29 00
A. Thompson "	112 70
	<hr/>
	\$1,066 20

The annuity of \$300 granted by Thomas D. Grover to the South-wark Library Company has been paid as directed in his will.

The expenses of the general management of the Minor Trusts during the year 1892 amounted to \$1,238.35, which has been apportioned among the various Trust Funds in proportion to their Invested Capital at the beginning of the year, amounting to a charge of .0011455 thereon.

Very respectfully,

GEO. E. KIRKPATRICK,

Superintendent City Trusts.

PHILADELPHIA, December 31, 1892.

DETAILED STATEMENT

OF THE INVESTED CAPITAL, AT PAR VALUES OF STOCKS
AND LOANS, AND CASH RECEIPTS AND PAY-
MENTS OF THE MINOR TRUSTS
DURING THE YEAR 1892.

WILLS HOSPITAL,

Race Street, west of Eighteenth Street,

"For the relief of the Indigent Blind and Lame;" where persons afflicted, with the diseases of the Eye and Limb will be treated free of charge, and, when requisite, admitted into the Hospital; preference being given, under the Will, to persons residing in Philadelphia and its neighborhood.

Invested Capital, December 31, 1892.

Hospital Grounds and Buildings.....	\$150,000 00
Philadelphia City 6 per cent. Loan.....	99,400 00
Philadelphia City 4 per cent. Loan.....	24,750 00
Pittsburgh City 7 per cent. Loan.....	2,000 00
Pittsburgh City 6 per cent. Loan.....	300 00
Bonds and Mortgages.....	238,300 00
Ground Rents.....	2,950 00
Deposit, Philadelphia Saving Fund.....	148 42
Deposit, Western Saving Fund.....	50 00
	\$517,898 42

Cash Receipts and Payments, January 1 to December 31, 1892.

<i>Income—</i>		RECEIPTS.	
Interest Philadelphia City Loan.....	\$6,819 00		
" Pittsburgh City Loan.....	158 00		
" Bonds and Mortgages.....	10,529 93		
" Steward's Bank Account, Girard Trust Co.	5 28		
Ground Rents.....	156 50		
Sale of Spectacles, etc., at Hospital.....	78 94		
Income of Yellow Fever Fund,—transferred.....	544 63		
			\$18,292 27
Appropriation by State of Pennsylvania..... (acc. \$20,000 00)			10,000 00
<i>Legacies and Donations—</i>			
Estate of Emily T. Eckert.....	\$5,000 00		
" Alfred Bamber.....	5,000 00		
" Geo. S. Pepper.....	1,500 00		
Elizabeth V. Graham.....	20 00		
J. G. Rosengarten.....	50 00		
Mrs. Thos. H. Powers.....	100 00		
Phineas Fries.....	25 00		
Mrs. Elizabeth Farnum.....	100 00		
E. T. Lukens.....	25 00		
Sundry Donors.....	65 00		
			11,885 00
<i>Principal of Investments Collected—</i>			
Philadelphia City Loan.....	\$1,500 00		
Bonds and Mortgages.....	8,900 00		
			10,400 00
Temporary Loan from John Scott Medel Trust.....			1,000 00
Cash Balance, January 1, 1892.....			5,210 03
			\$56,787 30
<i>Running Expenses—</i>		PAYMENTS.	
Wages.....	\$4,543 70		
Subsistence.....	7,875 21		
Dry Goods.....	264 29		
Furniture.....	842 06		
Sundry House Expenses.....	3,056 18		
Medical Expenses.....	1,568 97		
Repairs.....	1,217 32		
Miscellaneous Expenses.....	935 26		
		\$20,302 99	
Amount carried forward.....		\$20,302 99	\$56,787 30

<i>Amount brought forward..</i>	\$20,302 99	\$56,787 31
Permanent Improvements, Erection of Laundry, etc.....	16,312 53	
<i>Investments—</i>		
Bonds and Mortgages.....	\$16,100 00	
Philadelphia City Loan.....	3,000 00	
	<u> </u>	\$19,100 00
Premium and Commission on City Loan purchased.....	794 25	
	<u> </u>	\$56,509 7
<i>Cash Balance, December 31, 1892...</i>		<u><u>\$277 5</u></u>

JOHN BLEAKLEY FUND.

(YELLOW FEVER FUND.)

"To relieve those who may be reduced to the necessities of being placed
"in the Hospital during the existence of the yellow fever."

The Income of this Trust is transferred to the use of Wills Hospital, under
certain restrictions, by Act of Assembly of Pennsylvania, dated April 16, 1838

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$12,150 00
Pennsylvania Railroad Co. Stock8 Shares	400 00
	<u> </u>
	\$12,550 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest City Loan.....	\$708 00	
Dividend Pennsylvania Railroad Stock.....	24 00	
	<u> </u>	\$732 00
<i>Principal of Investments Collected—</i>		
Philadelphia City Loan	700 00	
	<u> </u>	\$1,432 00
PAYMENTS.		
Income Transferred to Wills Hospital.....	\$544 62	
Miscellaneous Expenses.....	14 38	
	<u> </u>	\$559 00
<i>Investments—</i>		
Philadelphia City Loan.....	700 00	
Premium and Commission on above.....	173 00	
	<u> </u>	\$1,432 00

MARY SHIELDS ALMSHOUSE FUND.

"To relieve and make more comfortable the Sick and Insane Poor at the
 "Alms-house in Philadelphia."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$32,350 00
Philadelphia City 4 per cent. Loan	2,000 00
North Carolina State 6 per cent. Loan.	1,000 00
United States 4 per cent. Loan.....	2,300 00
Girard National Bank Stock..... 10 Shares	400 00
Manufacturers' National Bank Stock..... 2 "	200 00
Commercial National Bank Stock... .. 6 "	300 00
National State Bank of Camden Stock	7 " 350 00
Pennsylvania Railroad Stock..... 121 "	6,050 00
North Penn'a Railroad Stock.. .. 54 "	2,700 00
Lehigh Valley Railroad Stock	53 " 2,650 00
Nesquehoning Valley Railroad Stock..... 33 "	1,650 00
Delaware and Bound Brook Railroad Stock 8 "	800 00
Lehigh Coal and Navigation Co. Stock .. 9 "	450 00
Lehigh Coal and Navigation Co. Bonds.....	2,400 00
Germantown Passenger Railway Co. Bond.....	1,000 00
Fredericks-ville and Gordonsville Railroad Co. Bond ..	1,000 00
Bonds and Mortgages.....	13,750 00
Ground Rent 1338 North Second Street.....	1,333 33
Lot of Ground, Walnut Lane, Germantown.	
Sold for.	\$20,000 00
Received on account.....	500 00
(Settlement not yet made.)	19,500 00
House and Lot, 1144 S. Sixteenth St.....	2,600 00
Lot of Ground, Edgemont St.....	500 00
	<hr/>
	\$95,283 33

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest Philadelphia City Loan.....	\$1,521 00	
“ United States Loan.....	92 00	
“ Lehigh Coal and Navigation Co. Bonds.....	144 00	
“ Germantown Passenger Railway Co. Bonds.....	46 00	
“ Bonds and Mortgages.....	536 21	
Dividend Girard National Bank Stock.....	48 00	
“ Commercial National Bank Stock.....	18 00	
“ National State Bank of Camden Stock.....	47 02	
“ Manufacturers' National Bank Stock.....	10 00	
“ Pennsylvania Railroad Stock ..	363 00	
“ North Penn'a Railroad Stock.....	216 00	
“ Lehigh Valley Railroad Stock.....	139 11	
“ Nesquehoning Valley Railroad Stock.....	82 50	
“ Delaware and Bound Brook Railroad Stock..	64 00	
“ Lehigh Coal and Navigation Co. Stock.....	24 75	
Ground Rent.....	80 00	
Rent of Real Estate.....	247 60	
		\$3,679 19
<i>Principal of Investments Collected—</i>		
Philadelphia City Loan.....	\$1,800 00	
Sale of Lot on Walnut Lane, Germantown, on acct.	500 00	
		2,300 00
<i>Cash Balance, January 1, 1892</i>		13,423 01
		<u>\$19,402 20</u>
PAYMENTS.		
Salary of Agent.....	\$700 00	
Furniture, Pictures, etc.....	141 05	
Books, Games, Musical Instruments, etc.....	190 73	
Amusements.....	59 56	
Improvement of Diet.....	474 93	
Clothing and Spectacles.....	35 80	
		\$1,602 07
Expenses of Real Estate.....	\$293 37	
Miscellaneous Expenses.....	121 35	
		414 72
<i>Investments—</i>		
Bond and Mortgage.....	5,100 00	
Philadelphia City Loan.....	9,900 00	
		15,000 00
Premium and Commission on City Loan purchased.....	2,004 50	
		<u>19,021 29</u>
<i>Cash Balance, December 31, 1892.....</i>		<u>\$380 91</u>

JULIANA H. GOOD FUND.

"Toward the maintenance of a House of Correction in said City" (Philadelphia).

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$1,600 00
Philadelphia City 4 per cent. Loan.....	1,200 00
Deposit in Philadelphia Saving Fund.	100 00
	<u>\$2,900 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$150 00	
<i>Investment Collected—</i>		
Philadelphia City Loan.....	500 00	
<i>Cash Balance, January 1, 1892.</i>	1 44	
		<u>\$651 44</u>

PAYMENTS.

Library books for House of Correction.....	\$75 00	
Miscellaneous Expenses.....	3 44	
		<u>\$78 44</u>
<i>Investments—</i>		
Philadelphia City Loan.....	400 00	
Premium and Commission on above.....	125 00	
		<u>\$525 00</u>
<i>Cash Balance, December 31, 1892.</i>		<u>\$126 44</u>

ANN ARMITT FUND.

Income to the "Overseers of the Poor or the Managers of the Bettering House."

Invested Capital, December 31, 1892.

Ground Rent, S. E. cor. Fifth and Plum Streets....	<u>\$300 00</u>
--	-----------------

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Ground Rent.....	\$36 67	
<i>Cash Balance, January 1, 1892.</i>	17 57	
		<u>\$54 24</u>

PAYMENTS.

Miscellaneous Expenses.....	\$0 34	
		<u>34</u>
<i>Cash Balance, December 31, 1892.</i>		<u>\$53 90</u>

BENJAMIN FRANKLIN FUND.

Income to be loaned to Young Married Artificers, under the age of thirty-five years, who have served an apprenticeship in Philadelphia, and faithfully fulfilled the duties required in their indentures, and who can furnish two satisfactory securities for the return of the money in ten annual installments, with interest at 5 per cent.

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$49,700 00
Philadelphia City 4 per cent. Loan.....	100 00
Pittsburgh City 7 per cent. Loan.....	1,000 00
United States 4 per cent. Loan.....	2,000 00
Bonds and Mortgages.....	33,200 00
Loans to Young Married Artificers.....	209 56
	\$86,209 56

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$2,880 25	
" Pittsburgh City Loan.....	70 00	
" United States Loan.....	80 00	
" Bonds and Mortgages.....	1,341 63	
	\$4,371 88	

Investments Collected—

Philadelphia City Loan.....	3,700 00
Cash Balance, January 1, 1892.....	12,190 18
	\$20,262 06

PAYMENTS.

Miscellaneous Expenses.....	\$174 42	
<i>Investments—</i>		
Bond and Mortgage.....	\$3,000 00	
Philadelphia City Loan.....	4,700 00	
	7,700 00	
Premium and Commission on City Loan purchased.....	235 00	
	8,109 42	
Cash Balance, December 31, 1892.....		\$12,152 64

JOHN SCOTT LOAN FUND.

Income to be applied to the same purpose as that of Dr. Benjamin Franklin's Legacy.

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$9,600 00
Bonds and Mortgages.....	7,800 00
Deposit Philadelphia Saving Fund.....	270 00
Grants to Young Married Artificers.....	180 00
	<u>\$17,850 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$609 00	
" Bonds and Mortgages.....	346 26	
		\$955 26
<i>Investments Collected—</i>		
Philadelphia City Loan.....		600 00
Cash Balance, January 1, 1892.....		3,700 46
		<u>\$5,255 72</u>

PAYMENTS.

Disbursements.....	22 85
Cash Balance, December 31, 1892.....	<u>\$5,232 87</u>

JOHN SCOTT MEDAL FUND.

Income to "be laid out in Premiums to be distributed among ingenious; men and women who make useful inventions; * * * and along with which shal' be given a Copper Medal."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$26,400 00
Allegheny County 5 per cent. Loan.....	1,000 00
United States 4 per cent. Loan.....	1,000 00
Bonds and Mortgages.....	15,300 00
	<u>\$43,700 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$1,659 00	
" Allegheny County Loan.....	50 00	
" United States Loan.....	40 00	
" Bonds and Mortgages.....	652 50	
	<u></u>	\$2,401 50

Investments Collected—

Philadelphia City Loan.....	1,300 00
Cash Balance, January 1, 1892.....	6,548 20
	<u>\$10,249 70</u>

PAYMENTS.

Medals	\$650 00
Premiums.....	280 00
Advertising, Engraving, Cases, etc.....	430 10
Miscellaneous Expenses.....	56 20
	<u>\$1,416 30</u>

Investment—

Bond and Mortgage.....	1,600 00
Temporary Loan to Wills Hospital.....	1,000 00
	<u>4,016 30</u>
Cash Balance, December 31, 1892.....	<u>\$6,233 40</u>

HANNAH MATILDA DODD FUND.

Income "to procure Gold and Silver Medals to be presented to the most distinguished Graduates of the Girls' High School, with their name and year of graduating engraved thereon."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan. \$1,100 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$66 00	
Cash Balance, January 1, 1892.....	242 77	
		<u>\$308 77</u>

PAYMENTS.

Medals.....	\$43 25	
Miscellaneous Expenses.....	1 26	44 51
		<u>44 51</u>
Cash Balance, December 31, 1892.....		<u>\$264 26</u>

OBADIAH WHELOCK FUND.

Income "to be awarded semi-annually forever in cash (not to be consolidated with any other prize) either in coin, or in United States currency, to a Meritorious Scholar of the Girls' Normal School of the city of Philadelphia."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$100 00
Deposit Philadelphia Saving Fund.....	60 00
	<u>\$160 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$6 00	
Cash Balance, January 1, 1892.....	14 38	
		<u>\$20 38</u>

PAYMENTS.

Miscellaneous Expenses.....	22	
		<u>22</u>
Cash Balance, December 31, 1892.....		<u>\$20 16</u>

RITTENHOUSE SCHOOL FUND.

Income to be applied "to advance the education of the children 'of the
" 'vicinity' of the old Rittenhouse Academy, Roxborough."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$1,100 00
Philadelphia City 4 per cent. Loan.....	1,825 00
Bond and Mortgage.....	900 00
	<u>\$3,825 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$163 00	
" Bond and Mortgage.....	20 14	
		\$183 14
<i>Investment Collected—</i>		
Philadelphia City Loan.....	1,000 00	
Cash Balance, January 1, 1892.....	715 78	
		<u>\$1,898 92</u>

PAYMENTS.

Miscellaneous Expenses.....	\$9 38	
<i>Investments—</i>		
Philadelphia City Loan.	\$100 00	
Bond and Mortgage.....	900 00	
		1,000 00
Premium and Commission on City Loan pur- chased.....	31 25	
		<u>1,040 63</u>
Cash Balance, December 31, 1892.....		<u>\$858 29</u>

STEPHEN GIRARD SCHOOL FUND.

"For the use of the school upon the Lancaster system in the First Section
"of the First School District of Pennsylvania."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$9,800 00
Philadelphia City 4 per cent. Loan.....	200 00
	<u>\$10,000 00</u>

BOARD OF DIRECTORS OF CITY TRUSTS.—APPENDIX F. 171

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest City Loan.....	\$596 00
<i>Cash Balance, January 1, 1892</i>	<u>584 17</u>
	\$1,180 17

PAYMENTS.

Library Books for Public Schools :	
Horace Binney Grammar School.....	\$98 33
Northwest Boys' Grammar School.....	49 16
U. S. Grant School.....	93 73
Northwest Girls' Grammar School.....	49 16
Keystone Grammar School.....	<u>98 32</u>
	\$388 70
Miscellaneous Expenses.....	<u>11 45</u>
	400 15
<i>Cash Balance, December 31, 1892</i>	<u><u>\$780 02</u></u>

ROBERTS SCHOOL FUND.

"For a Publick School for the instruction of the children and others 'Inhabitants of the said (Bristol) Township, and the Northern Liberty and 'Oxford Township, or any meeting the said Townships shall have occasion, as 'the said Trustees shall think fit, *Provided*, it don't interfere or interrupt the 'mid School."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	<u>\$100 00</u>
---	-----------------

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$6 00
<i>Cash Balance, January 1, 1892</i>	<u>161 78</u>
	\$167 78

PAYMENTS.

Miscellaneous Expenses.....	<u>11</u>
<i>Cash Balance, December 31, 1892</i>	<u>\$167 67</u>

PAUL BECK SOUP FUND.

Income to be paid "to the Soup Societies established in the (old) City of Philadelphia to aid said Societies in their humane endeavors to supply the poor. "with 'soup.'"

Invested Capital, December 31, 1892.

Ground Rent, 220 Market Street..... \$8,333 33

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Ground Rent.....	\$500 00
Cash Balance, January 1, 1892.....	596 83
	<u>\$1,096 83</u>

PAYMENTS.

Western Soup Society.....	\$250 00
Philadelphia Soup Society.....	250 00
Miscellaneous Expenses.....	9 55
	<u>509 55</u>
Cash Balance, December 31, 1892.....	<u>\$587 28</u>

ANDREW R. CHAMBERS FUND.

Income to be paid "to the various Soup Societies of the City of Philadelphia, every year, as long as the said Societies shall continue their charities to "the poor."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan..... \$1,900 00

BOARD OF DIRECTORS OF CITY TRUSTS—APPENDIX F. 173

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.	
Interest Philadelphia City Loan.....	\$114 00
Cash Balance, January 1, 1892.....	117 24
	<u>\$231 24</u>
PAYMENTS.	
Central Soup Society.....	\$12 50
Northern Soup Society.....	12 50
Kensington Soup Society.....	12 50
Moyamensing Soup Society.....	12 50
Northwestern Soup Society.....	12 50
Spring Garden Soup Society.....	12 50
Southwark Soup Society.....	12 50
Western Soup Society.....	12 50
Philadelphia Soup Society.....	12 50
Miscellaneous Expenses.....	2 18
	<u>114 68</u>
Cash Balance, December 31, 1892.....	<u>\$116 56</u>

SAMUEL SCOTTIN FUND.

"To deliver to the Poor of the said City (Philadelphia) and of Southwark
"Twelve Dollars of Bread," annually.

Invested Capital, December 31, 1892.

Ground Rent, 253 North Sixth Street..... \$200 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.	
Ground Rent	\$12 00
Cash Balance, January 1, 1892.....	11 97
	<u>\$23 97</u>
PAYMENTS.	
Southwark Soup Society (for bread).....	\$6 00
Western Soup Society (for bread)	6 00
Miscellaneous Expenses.....	23
	<u>12 23</u>
Cash Balance, December 31, 1892.....	<u>\$11 74</u>

WILLIAM CARTER FUND.

Income "to and for the use of the Almshouse belonging to the said City
" (Philadelphia), and for the Relief of the Poor of the same, forever."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.. .. .	\$350 00
Philadelphia City 4 per cent. Loan	500 00
Ground Rent	74 00
	<u>\$924 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$41 00	
Ground Rent.....	4 44	
	<u> </u>	\$45 44
<i>Cash Balance, January 1, 1892</i>		37 08
		<u>\$82 52</u>

PAYMENTS.

Bread.....	\$29 00	
Miscellaneous Expenses.....	1 12	
	<u> </u>	30 12
<i>Cash Balance, December 31, 1892.</i>		<u>\$52 40</u>

ARCHIBALD THOMPSON FUND.

Income to purchase Bread "for the support of the Poor of the City of
"Philadelphia."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan (taxable).....	\$2,500 00
Philadelphia City 6 per cent. Loan (free).....	1,300 00
Philadelphia City 4 per cent. Loan.....	1,300 00
Ground Rent, N. E. cor. Second and Spruce Streets. . .	141 67
Deposit, Philadelphia Saving Fund.....	67 87
	<u>\$5,209 54</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$267 25	
<i>Investments Collected—</i>		
Philadelphia City Loan.....	300 00	\$467 25
<i>Cash Balance, January 1, 1892 (overdrawn).....</i>		<u>23 57</u>
		\$444 68

PAYMENTS.

Bread.....	\$112 70	
Miscellaneous Expenses.....	6 46	
	<u>\$119 16</u>	
<i>Investments—</i>		
Philadelphia City Loan.....	\$300 00	
Premium and Commission on above.....	43 00	
	<u>243 00</u>	362 16
<i>Cash Balance, December 31, 1892.. ..</i>		<u>\$82 52</u>

THOMAS D. GROVER FUND.

Income to be distributed—to the Southwark Library Co., \$300 per annum in bread and soup, among the poor persons residing in the district of Southwark; \$300 per annum and the balance of the income, in fuel "among white widow" "of respectable character, who are housekeepers or roomkeepers, born within the limits of the United States of America, whose husbands shall have died" "within the present defined boundaries of the district of Southwark."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$36,400 00
Harrisburg City 6 per cent. Loan.....	10,000 00
Allegheny City 4 per cent. Loan.....	10,000 00
Pittsburgh City 7 per cent. Loan.....	21,000 00
Bonds and Mortgages.....	12,200 00
Ground Rent.....	75,000 00
Spring Garden Insurance Co. Stock.....32 Shares	1,600 00
Real Estate, Assessed Value.....	5,500 00
	<u>\$171,700 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$2,199 00
" Harrisburg City Loan.....	600 00
" Allegheny City Loan.....	400 00
" Pittsburgh City Loan.....	1,470 00
" Bonds and Mortgages.....	548 50
Dividend Spring Garden Insurance Co. Stock.....	128 00
Ground Rent.....	3,000 00
Rent of Real Estate.....	269 24
	<u>\$8,614 74</u>

Investments Collected—

Philadelphia City Loan.....	500 00
Cash Balance, January 1, 1892.....	5,362 54

PAYMENTS.

Southwark Library Co.....	\$300 00
Southwark Soup Society.....	300 00
Fuel.....	5,856 50
Expenses of Real Estate.....	339 84
Miscellaneous Expenses.....	289 87
	<u>7,086 21</u>
Cash Balance, December 31, 1892.....	<u>\$7,391 07</u>

ELIAS BOUDINOT FUND.

Income " for the supplying the poor inhabitants of the City and Liberties of Philadelphia, with the householders (not able to provide it for themselves), at a price during the winter season not in any case exceeding the moderate average price of wood during the preceding summer (and that in small quantities), with fuel of such kinds and sorts as to the said Mayor and Corporation may seem more likely to answer the purposes aforesaid."

Invested Capital, December 31, 1892.

Real Estate in Centre County, Assessed Value.....	\$11,359 00
Philadelphia City 6 per cent. Loan.....	21,100 00
Philadelphia City 4 per cent. Loan.....	200 00
Bonds and Mortgages.....	3,200 00
Deposit, Philadelphia Saving Fund.....	300 00
Deposit, Western Saving Fund.....	300 00
	<u>\$36,459 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.**RECEIPTS.**

Interest Philadelphia City Loan.....	\$1,274 00	
Interest Bonds and Mortgages.....	144 00	
Rent, etc., Real Estate in Centre County.....	1,200 07	
		<u>\$2,618 07</u>
Cash Balance, January 1, 1892.....		2,127 35
		<u>\$4,745 42</u>

PAYMENTS.

Fuel.....	\$850 50	
Expenses of Real Estate.....	1,241 61	
Miscellaneous Expenses.....	44 76	
		<u>2,136 87</u>
Cash Balance, December 31, 1892.....		<u>\$2,608 55</u>

SPRING GARDEN FUEL FUND.

Income to be "applied to the purchase of Food and Fuel, and no other purpose, and . . . distributed during the winter months of each and every year, among such of the Poor of the said District (Spring Garden) as reside "in said District east of Broad Street."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$2,900 00
Philadelphia City 4 per cent. Loan.....	300 00
	<u>\$3,200 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.**RECEIPTS.**

Interest Philadelphia City Loan.....	\$186 00
<i>Cash Balance, January 1, 1892.....</i>	<i>233 41</i>
	<u>\$419 41</u>

PAYMENTS.

Fuel.....	\$204 70
Miscellaneous Expenses.....	5 41
	<u>210 11</u>
<i>Cash Balance, December 31, 1892.....</i>	<i>\$209 30</i>
	<u><u> </u></u>

STEPHEN GIRARD FUEL FUND.

Income "to purchase Fuel between the months of March and August, in "every year forever, and in the month of January, in every year forever, dis- "tribute the same amongst Poor White Housekeepers and Roomkeepers, of good "character, residing in the (old) City of Philadelphia."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$800 00
Philadelphia City 4 per cent. Loan.....	200 00
Philadelphia and Reading Railroad General Mortgage Bonds.....	9,000 00
	<u>\$10,000 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

rest Philadelphia City Loan	\$56 00	
" Philadelphia and Reading Railroad Bonds.....	360 00	
	<u> </u>	\$416 00
Cash Balance, January 1, 1892.....		397 04
		<u> </u>
		\$813 04

PAYMENTS.

.....	\$342 65	
cellaneous Expenses.....	13 71	
	<u> </u>	356 36
Cash Balance, December 31, 1892.....		<u>8456 68</u>

PAUL BECK FUEL FUND.

Income "to purchase fuel for the use and benefit of the out-door poor residing within the corporate limits of said City" (old City of Philadelphia).

Invested Capital, December 31, 1892.

and Rent, 218 Market Street.....	<u>\$8,333 33</u>
----------------------------------	-------------------

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

and Rent.....	\$500 00	
Cash Balance, January 1, 1892.....	522 27	
	<u> </u>	\$1,022 27

PAYMENTS.

.....	\$487 28	
cellaneous Expenses.....	12 05	
	<u> </u>	499 33
Cash Balance, December 31, 1892.....		<u>8522 94</u>

CITY FUEL FUND

Consists of the following five funds consolidated :

The Freemasons' Fund,
Mr. Rickett's Donation,
The Mayor's Court Fund,
John Bleakley's Legacy,
Elizabeth Kirkpatrick's Legacy.

Income to be distributed in Fuel among the Poor of the Old City of Philadelphia. (E. Kirkpatrick's being without distinction of person or color.)

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan..... \$6,700 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$402 0
Cash Balance, January 1, 1892.....	<u>422 6</u>
	\$824 6

PAYMENTS.

Fuel.....	\$396 04
Miscellaneous Expenses.....	<u>9 92</u>
	405 96
Cash Balance, December 31, 1892.....	<u>\$418 6</u>

F. AUGUSTUS SHEAFF FUEL FUND.

Income "to purchase Fuel between the months of March and September in every year forever, and in the month of February in every year forever, to distribute the same among Poor Housekeepers and Roomkeepers of good character, residing in the City of Philadelphia."

Invested Capital, December 31, 1892.

Bond and Mortgage..... \$3,000 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.	
Interest on Bond and Mortgage.....	\$135 00
Cash Balance, January 1, 1892.....	141 66
	<u>\$276 66</u>
PAYMENTS.	
Fuel	\$111 26
Miscellaneous Expenses.....	4 94
	<u>116 20</u>
Cash Balance, December 31, 1892.....	\$160 46

JACOB J. SNYDER FUND.

Income to be "expended yearly by the Directors of City Trusts, as the
"may deem best, in aid of the poor people in this City" (Philadelphia).

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	<u>\$9,500 00</u>
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Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.	
Interest Philadelphia City Loan.....	\$570 00
Cash Balance, January 1, 1892.....	574 26
	<u>\$1,144 26</u>
PAYMENTS.	
Fuel	\$551 79
Clothing for patients at Wills Hospital.....	1 45
Miscellaneous Expenses.....	13 38
	<u>566 62</u>
Cash Balance, December 31, 1892.....	\$577 64

MARY SHIELDS FUEL FUND.

"To apply the interest thereof to the purchase of Coal, and distribute the same in the fall and winter months to indigent widows, single women, and men, without respect to color."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$8,350 00
Philadelphia City 4 per cent. Loan....	1,000 00
Deposit, Philadelphia Saving Fund.....	420 05
	<u>\$9,770 05</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest City Loan.....		\$541 00
<i>Cash Balance, January 1, 1892.....</i>		<u>333 75</u>
		\$874 75
PAYMENTS.		
Fuel	\$482 53	
Miscellaneous Expenses.....	12 92	
<i>Investments—</i>	<u>\$495 45</u>	
Philadelphia Saving Fund.....	233 00	
		<u>728 45</u>
<i>Cash Balance, December 31, 1892.....</i>		<u>\$146 30</u>

SEYBERT FUND.

Income "for the distribution of Fuel and Bread amongst the deserving " Poor during the Winter Season."

Invested Capital, December 31, 1892.

Bond and Mortgage.....	\$10,000 00
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Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest on Bond and Mortgage		\$430 00
<i>Cash Balance, January 1, 1892.....</i>		<u>429 46</u>
		\$859 46
PAYMENTS.		
Fuel	\$389 37	
Miscellaneous Expenses	13 71	
	<u>403 08</u>	
<i>Cash Balance, December 31, 1892.....</i>		<u>\$456 38</u>

ESTHER WALTERS FUND.

Income to be distributed in Fuel to the Poor of the City of Philadelphia, District of Southwark, and the Township of the Northern Liberties, by the Guardians of the Poor.

Invested Capital, December 31, 1892.

Lehigh Coal and Navigation Co. Loan..... \$10,463 69

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Lehigh Coal and Navigation Co. Loan.....	\$470 88
Cash Balance, January 1, 1892.....	493 95

PAYMENTS.

Fuel.....	\$487 60	\$964 83
Miscellaneous Expenses.....	11 98	
		499 58
Cash Balance, December 31, 1892.....		\$465 25

DAVID CLAYPOLE FUND.

"For the benefit and relief of the Poor of the City of Philadelphia."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan..... \$600 00

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.

Interest Philadelphia City Loan.....	\$27 00
Investments Collected—	
Philadelphia City Loan.....	300 00
Cash Balance, January 1, 1892.....	152 21

PAYMENTS.

Fuel.....	\$46 00	\$479 21
Miscellaneous Expenses.....	80	
		\$46 80
Investments—		
Philadelphia City Loan.....	\$300 00	
Premium and Commission on City Loan purchased.....	87 75	
		387 75
		434 55
Cash Balance, December 31, 1892.....		\$44 66

B. McMAHON FUND.

"For the use of the Poor of Penn Township."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$400 00
Deposit, Philadelphia Saving Fund.....	100 00
	<u>\$500 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.**RECEIPTS.**

Interest Philadelphia City Loan.....	\$24 00
<i>Cash Balance, January 1, 1892.....</i>	<i>26 38</i>

PAYMENTS.

Fuel.....	\$20 70	\$50 38
Miscellaneous Expenses.....	57	
	<u>57</u>	<u>21 27</u>

<i>Cash Balance, December 31, 1892.....</i>	<i>\$29 11</i>
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JAMES DUTTON FUND.

Income to be expended "in the purchase of Food, Clothing, Firewood and "Fuel," to be distributed "to and among the Poor of the Township of Northern "Liberties only."

Invested Capital, December 31, 1892.

Philadelphia City 6 per cent. Loan.....	\$2,600 00
Ground Rents.....	2,500 00
	<u>\$5,100 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.**RECEIPTS.**

Interest Philadelphia City Loan.....	\$156 00
Ground Rents.....	150 00
	<u>\$306 00</u>
<i>Cash Balance, January 1, 1892.....</i>	<i>308 94</i>

PAYMENTS.

Fuel	\$289 80	\$614 94
Miscellaneous Expenses.....	5 84	
	<u>5 84</u>	<u>295 64</u>

<i>Cash Balance, December 31, 1892.....</i>	<i>\$319 30</i>
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GEORGE EMLÉN FUND.

Income to be distributed in Wood to Poor Widows or in Clothing for the Poor

Invested Capital, December 31, 1892.	
Philadelphia City 6 per cent. Loan.....	\$2,800 00
Philadelphia and Reading Railroad General Mortgage Bonds.....	5,000 00
Deposit, Philadelphia Saving Fund.....	11 18
	<u>\$7,811 18</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest Philadelphia City Loan.....	\$168 00	
Interest Philadelphia and Reading Railroad Bonds.....	200 00	
		<u>\$368 00</u>
<i>Cash Balance, January 1, 1892.....</i>		<u>381 97</u>
		<u>\$749 97</u>
PAYMENTS.		
Fuel.....	\$379 50	
Miscellaneous Expenses.....	8 95	
		<u>388 45</u>
<i>Cash Balance, December 31, 1892.....</i>		<u><u>\$361 52</u></u>

B. W. and J. W. MORRIS FUND.

For the use of the Poor of the City of Philadelphia.

Invested Capital, December 31, 1892.	
Philadelphia City 6 per cent. Loan.....	<u>\$800 00</u>

Cash Receipts and Payments, January 1 to December 31, 1892.

RECEIPTS.		
Interest Philadelphia City Loan.....	\$48 00	
<i>Cash Balance, January 1, 1892.....</i>		<u>51 03</u>
		<u>\$99 03</u>
PAYMENTS.		
Fuel.....	\$43 70	
Miscellaneous Expenses.....	92	
		<u>44 62</u>
<i>Cash Balance, December 31, 1892.....</i>		<u><u>\$54 41</u></u>

Respectfully submitted,

GEO. E. KIRKPATRICK,
Superintendent City Trusts.

Philadelphia, December 31, 1892.

APPENDIX G.

WILLS HOSPITAL,

Race Street, between 18th and 19th Streets.

SUPERINTENDENT.

GEO. E. KIRKPATRICK.

EMERITUS SURGEONS.

T. G. MORTON, M.D.

W. THOMSON, M.D.

GEORGE STRAWBRIDGE, M.D.

ATTENDING SURGEONS.

FRANK FISHER, M.D.

H. E. GOODMAN, M.D.

A. D. HALL, M.D.

G. C. HARLAN, M.D.

EDWARD JACKSON, M.D.

P. D. KEYSER, M.D.

W. W. McCLURE, M.D.

W. F. NORRIS, M.D.

CHARLES A. OLIVER, M.D.

SAMUEL D. RISLEY, M.D.

ASSISTANT SURGEONS.

S. LEWIS ZIEGLER, M.D.

M. W. ZIMMERMAN, M.D.

P. N. K. SCHWENK, M.D.

THEO. B. SCHNEIDEMAN, M.D.

CONRAD BERENS, M.D.

C. J. SELTZER, M.D.

W. ZENTMAYER, M.D.

JNO. T. CARPENTER, Jr., M.D.

PATHOLOGICAL CURATOR.

W. F. NORRIS, M.D.

HOUSE SURGEONS.

EDWARD C. ELLETT, M.D.

WALTER R. PARKER, M.D.

STEWARD.

RICHARD WISTAR.

MATRON AND HEAD NURSE.

MARY WILSON.

CLINIC HOURS.—From 2 to 3 P.M. daily (Sundays excepted), at which time the Surgeons are in attendance for the examination and treatment of the patients presenting themselves.

The Clinics are opened to all regular Practitioners and Students of Medicine who desire to study the diseases of the eye.

WILLS EYE HOSPITAL.

SURGEON'S REPORT FOR 1892.

During the year 1892 the work for which the Wills Eye Hospital was founded has been effectively carried on, affording aid and relief to a larger number of persons than in any preceding year. The number of patients applying for treatment was 12,566, an increase of 188 over the number of the year before; and of these 760 were admitted to the house as against 668 in 1891.

The operative work included 228 cataract operations, 111 iridec-tomies, 110 operations for squint, and 113 enucleations. The total number of operations being 3,241 as compared with 2,763 done in 1891.

The service of the institution has been sustained steadily; and without any interruption of the entire harmony and mutual good-will of the staff and resident officers. It has been notably facilitated by the appointment of a Senior and a Junior instead of a single Resident Surgeon. To these and to the other officers of the Institution and their assistants credit is due for conscientious devotion to the true interests of the Hospital.

Of the needs for the future continuance and improvement of the service; we must still remind you, and the authorities and the general public, who can supply you with the necessary funds, that there is yet no provision for the reception and isolation of contagious cases, a class often urgently demanding active hospital treatment.

In spite of the recent increase in the number of beds, there is still need of more room in the men's wards. It is a notable fact that nearly two thirds of the patients applying for treatment within the house are men, and that therefore the men's wards are often so

full that applicants cannot be immediately received, while the wards for women are rarely filled. This proportion of the sexes of our patients has now been so long and constantly observed that it must be borne in mind in making any further extension of the house service.

At the present time, however, the crying need of the Institution is for better facilities for the treatment of those applying in the out-patient department. These, it will be seen, constitute almost 95 per cent. of all the patients. The care of them costs the Institution only the heating and care of the rooms in which they are treated, and an insignificant amount for drugs and instruments. On the other hand, their proper treatment constitutes a great part, and in some respects the least attractive part, of the work of the surgical staff. It is not unreasonable, therefore, to ask that the rooms devoted to this service should be of sufficient size, convenient in arrangement and suitably furnished. The rooms now in use were provided at a time when this part of the service was actually and comparatively very much smaller than it is now, and when the adjustment of glasses, now such an important and tedious part of the work, was not attempted. By the gradual growth of the service there have come about overcrowding and inconvenience, that had they arisen suddenly would not have been permitted. It must be admitted that in these respects our Hospital compares unfavorably with some of the more recently established similar institutions of our city.

We ask that this need be given early and careful consideration by the members of your Board, and be brought by it to the attention of those who can financially enable you to properly meet it.

EDWARD JACKSON,
SAMUEL D. RISLEY,
H. EARNEST GOODMAN,
Committee of the Surgical Staff.

WILLS' EYE HOSPITAL.

REPORT OF THE HOUSE SURGEONS FOR THE YEAR 1892.

HOUSE PATIENTS.

	Males.	Females.	Total.
Number in the House, January 1, 1892...	42	22	64
Admitted in 1892.....	515	245	760
Discharged in 1892.....	515	248	763
Number in the House, December 31, 1892	42	19	61
<i>While in the House there were</i>			
Cured.....	516		
Improved.....	193		
Unimproved.....	53		
Died.....	1		
Total.....	763		
<i>Residence of those Admitted.</i>			
Philadelphia.....			297
Other parts of Pennsylvania.....			317
Elsewhere.....			146
Total.....			760

DISPENSARY PATIENTS.

The total number of patients treated at the clinics was 11,733, of which 1,804 were cases of foreign body in the eye, which were treated by the House Surgeons.

Residence of those Treated at the Clinics.

Philadelphia.....	9,523
Other parts of Pennsylvania.....	1,143
Elsewhere.....	1,067

Total..... 11,733

The patients admitted to the wards and treated at the clinics together were 12,493. The nativity of these was:

Africa.....	2	Forward.....	809	Forward.....	3,346
Armenia.....	5	Finland.....	2	Norway.....	8
Australia.....	11	France.....	39	Poland.....	20
Austria.....	22	Germany.....	912	Roumania.....	4
Barbadoes.....	2	Greece.....	1	Russia.....	120
Belgium.....	6	Hindustan.....	1	Scotland.....	84
Bermuda.....	1	Holland.....	2	Spain.....	3
British Guiana....	1	Hungary.....	15	Sweden.....	60
Canada.....	50	Ireland.....	1,489	Switzerland.....	28
China.....	10	Italy.....	72	Turkey.....	2
Cuba.....	7	Madeira.....	1	Wales.....	36
Denmark.....	20	Mexico.....	2	West Indies.....	4
England.....	672	Newfoundland....	1	United States.....	8,778
Forward.....	809	Forward.....	3,346	Total.....	12,493

Very respectfully submitted,

EDWARD C. ELLETT, M.D.,

W. R. PARKER, M.D.,

House Surgeons.

AUDITOR'S CERTIFICATE.

I hereby certify that I have audited the accounts of the GIRARD ESTATE and of the MINOR TRUSTS, of the City of Philadelphia, for the year ending December 31, 1892, and found the same to be correct, and correctly summarized in the foregoing reports of the Superintendent, pages 41-52 and 160-185.

JOHN HEINS,

Public Accountant and Auditor.

508 WALNUT STREET, PHILADELPHIA.

